

SIXTY-THIRD ANNUAL REPORT  
OF  
THE TRUSTEES  
OF THE  
STATE INFIRMARY  
AT TEWKSBURY,  
INCLUDING  
REPORT OF THE SUPERINTENDENT AND RESIDENT  
PHYSICIAN,  
FOR THE YEAR ENDING NOVEMBER 30, 1916.



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# The Commonwealth of Massachusetts.

## TRUSTEES' REPORT.

*To His Excellency the Governor and the Honorable Council.*

In compliance with the statutes the trustees of the State Infirmary and State Farm herewith present the sixty-third annual report of the State Infirmary for the year ending Nov. 30, 1916.

Accompanying this report you will find the report of the superintendent, Dr. John H. Nichols, which will give in detail the conditions which have obtained here during the year, and a comprehensive explanation of the improvements which we recommend for the ensuing year.

Under chapter 94 of the Special Acts of 1916 there was appropriated for this institution the sum of \$513,300.

During the year there was expended the total of \$512,081.27, of which \$176,862.22 was used for salaries and wages, and \$335,219.05 for general expenses.

The net outlay for the support of the Infirmary was \$485,529.84, for we received the sum of \$26,551.43 for articles sold and for the care which we gave to Federal and municipal cases, which sum is required by law to be turned into the State treasury.

The weekly per capita cost at the Infirmary was \$4.05, an increase of 58 cents over that of the preceding year, a very slight increase when the high cost of living is taken into consideration.

We wish to call your attention to the following improvements for which we are to petition the Legislature of 1917, together with the estimated costs:—

For mechanical handling of coal, . . . . .	\$14,800
For hospital for women, . . . . .	162,000
For real estate, . . . . .	3,950

The mechanical coal handling equipment is necessary because the large amount of coal used cannot be unloaded, hauled and supplied economically for service at the boilers with our present

equipment. This is not the first time that we have asked for this improvement. In fact, we have recommended it every year for the past four years, and we trust that our present request will be granted.

The hospital for women is necessary because we have not, at present, suitable hospital accommodations for the women in the Infirmary, and because we have not properly classified wards of maternity, surgical, acute, chronic, venereal and infectious cases.

The purchase of real estate, if not a matter of absolute necessity, is of importance, because we can to-day buy certain parcels of real estate which would be of great value to the Infirmary and which may not remain in the market.

Mr. John B. Tivnan, our former chairman, was appointed by the Governor a member of the Commission on Mental Diseases last summer; and while we were pleased that His Excellency recognized the good work which Mr. Tivnan had so unsparingly given to the State for the past thirteen years and selected him for a position where he would be able to be of still more service to the Commonwealth, yet our feelings when we learned of his advancement were not those of unmixed pleasure. Not unnaturally we are more deeply interested in the State Infirmary and the State Farm than in the many institutions which we are sure will be benefited by his good sense and sound judgment.

We trust that we shall be pardoned if we publicly deplore the personal loss which we sustain by his retirement from this Board.

Two of our departments, viz., our insane wards and our two tuberculosis hospitals, embrace a large percentage of our population, as you undoubtedly know. There are indeed more tuberculosis patients in Tewksbury than are found in any of the State hospitals which care for that class of cases exclusively, with the single exception of the sanatorium in Rutland. And we are confident that all the patients under our supervision are receiving scientific as well as humane treatment.

As regards the educational department, you can see in the summary which is appended to this report just what has been done in this line of work. We will simply state here that we



have had 251 pupils in our schools, who have been under the instruction of 10 teachers, and that the work in this department has been satisfactory.

We must mention briefly our training school for nurses, and we need only say that it is living up to its reputation.

Our new nurses' home, to accommodate 100 nurses, for which an appropriation of \$72,863 was given us by the Legislature of 1915, will be completed in the spring.

The 4-inch pipe for water supply to the boilers, authorized by the Resolves of 1914, chapter 127, is practically completed. This will carry brook water for water feed supply, which is obviously better for this purpose than the water from the driven wells.

The annual inventory as required by section 7, chapter 84 of the Revised Laws has been taken, and an appraisal of the real and personal property connected with the institution and belonging to the Commonwealth has been made by Joseph S. Kendall of Tewksbury, whose report herewith submitted shows a total valuation of \$1,881,287.63.

Dr. John H. Nichols has been connected with this institution as interne, assistant physician, assistant superintendent and superintendent for twenty-five years. When he commenced work in Tewksbury the State Almshouse had a population of 1,100, whereas within the past two years our census has reached as high as 3,107. Dr. Nichols has spent practically all his working life in this institution, and naturally his whole interest centers here. We take pleasure in commending his work as superintendent for the past year.

And we are pleased, too, to acknowledge the debt which we feel that our Board and the Commonwealth owe to the subordinates, from the assistant superintendent down, who have so ably and so loyally supported the superintendent in his earnest endeavor to maintain the good name of the State Infirmary.

LEONARD HUNTRESS.  
NELLIE E. TALBOT.  
FRANCIS W. ANTHONY.  
MARY E. COGAN.  
DENNIS D. SULLIVAN.  
GALEN L. STONE.

## SUPERINTENDENT'S REPORT.

*To the Trustees of the State Infirmary and State Farm.*

I have the honor of presenting to you the sixty-third annual report of the State Infirmary for the year beginning Dec. 1, 1915, and ending Nov. 30, 1916.

The records show that during the year 6,368 people have been cared for, or 876 less than the previous year; and that 3,989 have been admitted, or 786 less than the previous year. There has been a decreased weekly average number of people, which was 2,304, or 297 less than the previous year. The largest daily census was 2,658, the smallest daily census was 2,081. There were 136 births, — 74 males and 62 females, — which is 31 less than the preceding year. There were 715 deaths, — 627 in the general hospital department and 88 in the department for the insane. Of the total number, 574 were males and 141 females.

The cash disbursements were \$512,081.27, and the average weekly per capita cost, \$4.27.

The amount of \$26,551.43 was received for the support of city, town and United States cases cared for at the hospital, for articles sold, etc., which leaves a net cost of \$485,529.84 for the maintenance of the institution during the year, and a net weekly per capita cost of \$4.05.

The number of cases cared for in the general hospital wards was 7,090, — 4,895 males and 2,195 females. Of these, 4,972 were classified as medical and 2,118 as surgical; 577 surgical operations were performed. Of infectious diseases, there were 34 cases of diphtheria, 3 of typhoid fever, 62 of chicken pox and 11 of whooping cough.

Among the cases treated, the following groups are of interest: 152 cases with the diagnosis of feeble-mindedness, 54 of mental disease, 40 of hemiplegia, 183 of cardiac disease, 712 of diseases of the arteries and veins, 210 of respiratory diseases other than tuberculosis, 78 of gastro-intestinal diseases, 121 of dis-

eases of the kidney, 267 of alcoholism, 66 of the drug habit, 151 of gonorrhœa, 82 of vaginitis, 56 of cancerous disease and 786 of diseases of the eye and ear. Of the deaths, there were 37 under one year, 42 between one and twenty years, 263 between twenty and fifty years, 285 over fifty years of age.

There were 967 cases of pulmonary tuberculosis treated, of which 802 were male and 165 female. The classification on admission was as follows: incipient cases, 54; moderately advanced, 142; advanced, 601; far advanced, 170. The conditions of patients on discharge are as follows: 3 apparently cured, 6 arrested, 18 apparently arrested, 42 quiescent, 305 relieved, 88 not relieved, 259 died. Of the cases admitted, there were 246 remaining at the end of the year. There were also admitted 120 cases of other forms of tuberculosis, of which number 18 died. Adding to the above 49 cases of tuberculosis among the insane, there is a grand total of 1,136 cases of tuberculosis which have been treated during the year. The number of days' treatment for the year ending Nov. 30, 1916, in the department for tuberculosis was 109,687, a decrease in the number of days' treatment of 23,394, or an average of 64 less people per day than the preceding year.

Although the number of cases treated was less than the preceding year, the condition on admission showed more of advanced and far advanced cases than the year before, the care of which made greater demands upon us than when the numbers were larger. That fewer cases were admitted is possibly due to the work of local hospitals and sanatoria for tuberculosis caring for a larger number of the early cases than formerly; but the number of far advanced and terminal cases admitted being very much beyond that of any former year emphasizes the fact that, even with increased accommodations from year to year for the care of tuberculosis in the State, there is never any diminution in the number of cases sent to us in the very feeble stages of this disease.

Dr. Charles W. DeWolf, the junior assistant in this department, after three years' acceptable service resigned in April to go into private practice. Dr. Holland G. Hambleton was promoted from the interne service to Dr. DeWolf's position and continued in this work until October 26, when he resigned

to accept a position with the Isthmian Canal Commission, Panama.

Interesting and encouraging is the work at the women's consumptive department in the ward devoted to children, where through the year we have averaged about 18 small children suffering from tuberculosis, whose progress has been favorable almost without exception. Besides the attention which they receive from the nurses in the wards, they have regular hours for instruction in the primary branches by one of the trained teachers of our educational department. Quite a number of the patients at the hospital for consumptive men whose conditions are favorable have spent some time each day in out-of-door work under the direction of a nurse. Their vegetable garden this year has yielded fresh vegetables for their own tables as well as for other departments of the institution, and they have kept the grounds about this hospital in good order and especially attractive through the summer season. The boys in this department have taken part in outside work, and have been under the instruction of one of the male teachers both in elementary subjects and in manual training, so that while in the hospital they are able to progress to some extent in school matters as well as to improve in physical condition.

During the four previous years 957 patients received 3,798 doses of salvarsan or neosalvarsan. This year 135 patients received 319 doses of salvarsan, neosalvarsan or diarsenol. As our supply of the arsenical preparations has been limited, only those patients in the infectious stages of the disease, or with active symptoms of syphilis, have received the treatment. This has been given in conjunction with mercury and potassium iodide. The other cases of syphilis have received mixed treatment as usual. There have been 1,915 Wassermann reactions done in our laboratory, with the following results: positive, 8.4 per cent.; doubtful, 13.2 per cent.; negative, 78.4 per cent.

There have been 66 cases of drug habit treated, practically all of them by the "Townes-Lambert" method. Every year we have had among our patients a small number of these cases, but our numbers were suddenly increased because of the special activities of the prosecuting authorities in Boston during the later part of this year, when it was necessary on two occasions,



at least, to have 10 under active treatment while other convalescents were still in our wards. There is always great difficulty in handling these cases; but when a considerable number is sent to a hospital at one time, all of whom are in sympathy and practically in league with one another to defeat the efforts of the hospital in their behalf, we find that it is one of the most difficult problems that we are obliged to meet. If our number should continue to increase, and particularly if they should be sent to us in groups, it would be necessary to construct special quarters for these cases, where it would not be possible for them to enjoy as much freedom as obtains in the open wards. As far as the immediate effects of the treatment go, we might well claim to be successful; but it is our belief that after active treatment is completed these cases should be kept for six months or more under special institution restrictions in order to make the results of the treatment permanent. It is very difficult to learn just when a patient of this class may be taken at his word and trusted in regard to his intentions relative to the use of drugs. His statements and promises, without exception, seem to be sincere, but our experience is that the word of none of them should be depended upon until a number of months after the treatment is concluded. With these patients detained in the institution through a prolonged period of convalescence, it might be necessary to have them in quarters and under conditions quite different from those in the general hospital, if we expect to exercise authority over them excepting by severe methods of discipline, which should be used only as a last resort, in cases so pathetic as these which are under discussion.

The statistics for the department for the insane are for the twelve months beginning Oct. 1, 1915, and ending Sept. 30, 1916. There were admitted to this department 166 cases, — 111 by transfer, 37 by commitment from the general hospital department, 11 nominally, and 7 from visit. The daily average number of patients has been 703. The number remaining Sept. 30, 1916, was 717, — 514 women and 203 men. There were 91 deaths, — 26 men and 65 women. There were 3 recovered at time of leaving hospital, 8 cases discharged as improved, 21 not improved, 15 on visit, 16 transferred to other institutions and 4 escaped.

The Infirmary tables record 718 cases treated, of which 566 were medical and 152 surgical.

The department for the insane continues to be one of the notable features of the Infirmary, forming a special community separate to a considerable extent from the other portions of the institution. The health, general welfare and happiness of these patients are carefully guarded by the physicians and nurses in charge. This is a department where it has long been the practice to give special considerations and bestow innumerable attentions upon the individual members. These patients are the ones in the institution who are more fixed or permanent than the cases elsewhere, the residence of many of them dating back for more than twenty years. They are known, appreciated, and receive personal recognition from all of the older employees of whatever department. Contentment is found in the freedom, allowed to many, of mingling with others in the institution, where they can take their places to some extent, and form acquaintances and friendships with other patients or members of the community who are not suffering from mental disorder. By the activities and the work in which these patients engage they are able to afford a great deal of assistance indirectly, and in some instances directly, for the benefit of a large number of the patients who are physically more unfortunate than themselves. The especial emphasis of their classification can be apparent to them only in the dining rooms and dormitories. There is no question that it is a comfort to them to know that they are an important factor of the still larger community and enjoying more privileges and liberties than are allowed to the others, for whom they feel their services are of positive value. Thus, they have the assurance that they are of value and not a burden to the State which is caring for them. A great deal of work has been performed by the men in farming activities and in grading, and in the care of the grounds, the domestic department, and other places. The women also assist in innumerable ways outside of their own department and in the industrial rooms, where during the past year an increased amount of work on clothing and personal comforts for all parts of the institution has been shown, although there has not been a large variety of the more unusual articles and manufactures.

The policy of discharging patients to their homes with after-care visits has been continued with good results. There were 33 discharges, an increase of 8 over 1915. The attempt to stimulate the activities of the demented patients has been continued, a Sargent School graduate being in charge of that branch at present. Some of the patients who were in this class last year have been doing fairly good work in our sewing room under the instruction of a capable nurse.

Before leaving the asylum department I have to record the resignation of Dr. Hattie E. Chalmers on Jan. 31, 1916, and the appointment of Dr. Emily M. Pratt as her successor.

In the clinic for the eye, ear and throat, about 1,500 cases have been treated, and 175 operations have been performed. The most satisfying results obtained were those connected with the children's department, many of whom have been relieved of various affections of their special senses, which would otherwise have been a hindrance to their proper growth and development. Refractive errors of the eyes were corrected in over 600 patients, 150 of these being under twenty years of age. It is to the children that the most attention is given for the correction of the refractive errors, in order that they may grow up with increasingly improved vision instead of diminishing acuteness, and be in a better position to look after themselves when they pass from under State care. Several hundred of the old men and women of the institution have been fitted with glasses, which have aided them in their various occupations, and in case of the bedridden giving them the only pleasure they can have, that of reading. Two cases have been removed from the blind list by operative measures.

The work of the dentist commands special notice; 575 persons were attended in this department, receiving in all 2,534 treatments. An examination of the teeth of 100 persons under twenty was made, and it was found that the average number of cavities for each patient was 8+. Five cases of fracture of the lower jaw have been treated, with good results. One case of especial interest is that of a patient now under treatment for compound comminuted fracture of the lower jaw, occurring nine months or more ago. We are still using the emetin treatment in pyorrhœa alveolaris, with promising results, especially in those cases where the patient continues the treatment long enough. The effects

upon the children of the lessons in oral hygiene are gratifying, and many are known to keep up the practice of caring for their teeth after leaving the Infirmary.

The work in the laboratory during the greater part of the year was continued under the direction of Dr. Kohn, who resigned in July, however, to accept the position under the State Board of Health as director of the antitoxin laboratory at Forest Hills. It was with much regret that we accepted Dr. Kohn's resignation, for his work with us during his short stay gave much promise. However, we were fortunate in retaining his interest, to a slight extent, during the interval which elapsed previous to the appointment of his successor.

The clinical work of the laboratory has been continued under assistants trained for that work, and among other matters receiving attention have been investigations concerning the metabolism in rachitis, also researches on the toxicity of certain organic arsenic compounds. An additional clinical laboratory has been established in the female hospital, where routine examination of specimens for this part of the hospital is carried out. This leaves for the main laboratory the study of cases requiring special apparatus and technique. No small effort is put forth by the laboratory staff in instruction to the nurses of the training school in bacteriology, chemistry and pharmacology.

In relation to the work of this department, I have to note that Mr. James A. Bradley resigned in September to accept a position on the teaching staff of Tufts Medical College, and his place has been taken by Mr. F. Wellington Gilcreas.

Especially commendable has been the work in the department of nursing and in the training school for nurses, where the general course of instruction has progressed without marked changes during the past year. Courses of lectures and demonstrations have been given by the physicians, and occasionally special lectures by those invited from outside of our hospital. There has been a shortage in the number of nurses, so the amount of work for those remaining has been greater. There has been but little illness of a serious nature among them, due, I believe, to no slight extent to the fact that they have not been crowded in their sleeping accommodations. A valuable addition has been made to the nurses' library, and systematic reference reading has been planned for some of the



nurses. Especially appreciative are the nurses of the framed picture of the "Roman Forum," presented by the Nurses' Alumnae Society to the nurses' home. Graduation exercises for the class of 1916 were held on September 26, at which time twelve nurses received diplomas. The list is as follows: —

Miss Effie Mary Spanks,	. . . . .	Boston.
Miss Helen Veronica Shea,	. . . . .	Woburn.
Miss Jennie Margaret Ashton,	. . . . .	Saugus.
Miss Merna Belle Jean,	. . . . .	Westborough.
Miss Beatrice Evelyn Besner,	. . . . .	Manchester, N. H.
Miss Alice Loretta McGrath,	. . . . .	Boston.
Miss Rose Anna Fallon,	. . . . .	Groton.
Miss Alice Ethel Bland,	. . . . .	Medford.
Miss Nora Theresa Burke,	. . . . .	Stoneham.
Miss Bessie Alice Wadleigh,	. . . . .	Tewksbury.
Miss Anna Raymond Conmee,	. . . . .	Tewksbury.
Miss Mary Agnes Shevlin,	. . . . .	Chelmsford.

Dr. Henry C. Hall of the Butler Hospital and chairman of the Rhode Island Board of Registration of Nurses, delivered the special address on this occasion, and members of the Board of Trustees and of the graduating class also were represented in the program. Ethel F. Washburn, R.N., instructor of nurses during the last year, resigned in October to take the position as superintendent of the Milford Hospital, and Mrs. Gertrude B. Strout, formerly of the Brooklyn City Hospital, N. Y., is officiating in this position.

Relative to the educational department, the enrollment in the schools this year was 220, an increase of 65 over last year. If we add to this the special classes for the insane, the one for the blind, the physical culture course, and the class in English for the foreign-speaking, the total reaches approximately 355. The total number of classes has been 33, which is more than double that of last year. The number of teachers is 10, an increase of 3 over that of a year ago. The standard which was set for the teaching staff has been steadily maintained, every teacher having been trained in normal school, college or other professional school. Among the new features introduced in the year just past are: (1) a nursery school, or pre-kindergarten, which was started this fall to supply the mother-teaching to twenty motherless children from two to four years old (this

is a sort of play school run on kindergarten and Montessori lines); (2) evening classes for State ward girls past the age of sixteen, which take up reading, dramatics and singing; (3) various classes in physical culture organized among the insane women, with the idea of directing the activities of the restless ones and of stimulating the inert. Manual training for the boys is now well under way. The practical is not lost sight of while trying to make the work truly educative. Many useful articles have been made, such as screens and seed boxes for the greenhouse, sleeve-boards for the laundry, apparatus for the playground, bookcases, clothes racks, and shoe-shining boxes. A domestic science laboratory of four rooms has been constructed in the large basement dining room for the State ward girls. The adornments on the walls of the kindergarten attest the constructive skill which is being developed among the youngest scholars. Much good work has been done here. Very gratifying results are seen also in the work of the first grade. Several feeble-minded children (high grade) have mastered the primer and first reader, and have read several supplementary readers of the same grade. One child of eight, misjudged as feeble-minded in the public schools probably because of her extreme shyness, has read three primers, three first readers and three second readers in a little over a year. Another girl of sixteen, much retarded physically and mentally, has done even better than this and is now reading in the third reader. In the upper grades it is hard to appraise the work justly because of the varied and uncertain school antecedents of the children who come to us, and of the shortness of their stay here. The problem with the boys here is especially difficult because of the continuous change in the personnel of this group, less than 15 per cent. of the present group having been here as long as a year. The older State ward girls have shown considerable interest in the evening classes which have been conducted for them. Very creditable work was done in a short play which they staged last spring, and at several exhibitions they have rendered some rather difficult choruses quite acceptably. The classes in sewing have produced good results. The younger girls have made aprons and underclothes for themselves, and have done considerable

mending for the children's hospital, while the older girls have been taught to make their own dresses.

For details of organization and list of the various classes, a table is presented near the end of this report.

For many years we have been obliged to content ourselves with the use of every possible makeshift for school and industrial rooms, — in basements and such other portions of the wards or buildings as we could vacate for an hour or more in the day. These matters could be remedied by having one or, at the most, two centralized points for grade schools, gymnasium and industrial work. As our classes reach not only the children in the institution, but also the adults in a number of ways, which work, especially along industrial and manual training lines, might be of profit directly to the institution and also of therapeutic value, and eventually of direct benefit in increased resourcefulness to the patient himself, it is time for us to consider seriously the importance of a building or buildings to be planned for and devoted to school, to occupational and industrial work.

Frequent concerts, dramatic and other entertainments in the chapel have been continued throughout the winter months, given at times by the inmates themselves, especially the younger members, directed by their teachers, also by the employees, and by friends, schools and organizations from neighboring towns. The dancing school for the children continues to be one of the most interesting of our activities.

A large illuminated Christmas tree in the center of the yard, with carol singing around the tree and on the hospital wards on Christmas eve, made this an occasion of special delight preceding the Christmas day celebration with Christmas trees and decorations in practically all of the wards. Gifts for all the children, the insane and many in the other departments, dancing, music rendered in accordance with our usual custom by an Italian orchestra, which played in all of the different buildings and in the dining rooms, completed the Christmas program, which is always the most delightful day in our institution. Continuing the custom of former years, two band concerts by the boys of the Middlesex County Training School

have been given in the yard, which, with the baseball games and the usual Fourth of July celebration and numerous picnics, have furnished pleasure to a very large number of our inmates during the summer season. On May 30 memorial exercises, with songs appropriate for the occasion, were held in the Pines, the burial place of the institution. The May day festival, with May pole and dancing on the green, was never more effectively conducted than this year. The Hallowe'en party, in which a very large number of our people could participate, was given with the usual success.

There has been a slight increase in the number of books contained in the library, making a present total of 3,590 books, 222 volumes having been added mostly by gifts and some by purchase, and 149 volumes having been transferred from the main library to the different wards for permanent use and to the shelves in the nurses' hall. On the shelves are to be found a fair quantity of the best fiction, an exceptional collection of the works of many of the authors worth knowing, also many of the standard works in fiction, poetry and general literature, and many works of history, biography and books of reference. Because of the constantly increasing interest of our many friends, even the high prices paid for paper have not lessened the contributions of magazines and like reading matter. A greater quantity than ever of such literature has been presented to the library and distributed to the wards, among which might be mentioned 1,156 copies of the "Saturday Evening Post," 855 of the "Outlook," 556 of the "Ladies' Home Journal," 504 of "Life," 410 of the "Literary Digest," 366 of the "Cosmopolitan" and 288 of "Vogue."

The productiveness of the farm has increased in some items in spite of the fact of the scarcity of help for work in the fields and gardens, as well as conditions that made it impossible to work in the low lands, which we have to depend upon so much because of the dry and sandy condition of the greater part of our area of land. Although the vegetable crops were considerable of a disappointment, there was an increase in the amount of fodder crops over that of former years.

Progress on the nurses' home has been very slow, primarily because of great delay in the matter of plastering, but the



work is mostly done, with the exception of laying the floors, and should be completed in a short while.

The work on the hot-water circulating system has been finished. The overhead wires to the administration building and male hospital have been removed to the subways. Three additional lavatories have been installed in the women's house. A high-pressure steam line for heat and domestic use has been extended to the men's consumptive department. Iron poles for electric wiring that were removed from the yard have been erected on the children's hospital line; and a new subway has been built from asylum 5 to asylum 8, and another subway from the women's special ward to the new nurses' home, both of which are to carry the pipes for the heating system, electric wires, and also serve as a regular passageway between the buildings mentioned, increasing our total length of subways by 400 feet. A garage has been built at a point near the west gate, just beyond the spur track. By way of improving the service at the pumping station, a new well has been built 5 feet in diameter and 22 feet deep, to serve as a reservoir on which the suction pump may draw to increased advantage. Four additional fire hydrants have been added for the protection of the main group of buildings, and one additional 60-gallon chemical tank has been mounted on wheels, with other small extinguishers and pails and other protective appliances, to be used as a trailer for special emergencies at a distance from our main buildings. A line of 3,000 feet of 4-inch water pipe has been laid from the pumping station to the institution, to convey the brook water for boiler feed purposes.

Considerable improvement in lighting has been made about the yard and on the roads immediately surrounding our buildings. A new panel switchboard has been installed in the engine room, and a dividing wall between the old and new engine rooms removed and numerous new fuse cabinets placed in the men's house and hospital. Two new motor-driven washers 40 by 72 inches have been installed in the laundry, greatly increasing the efficiency of that department.

An addition has been made to the small house on the Andover Road beyond the hennery, and a new hen house has been built 130 feet long to accommodate the increased number of

poultry. One of the older buildings, 60 feet long, has been made into a brooder house.

Additional work has been done in repairing the Pillsbury barn and the Burt barn, and a new sill to the main barn has been put in and the roof jacked up and repaired. Much of this work, with other repairs and planking, has been done with lumber cut upon the place.

At the ice house, a new ice run has been built. One more building on Livingston Street has been improved and repaired, and is ready for plastering to serve as a dwelling house. A large piazza and new entrances have been built for the four departments of the long asylum in the yard for the insane, greatly improving the appearance and materially adding to the comfort of the occupants of that building.

A brick wall and gateway for the new entrance on the east side of the insane yard have been built between the laboratory and the domestic building.

One more acre of meadow land has been reclaimed and seeded at the Pillsbury farm, and another acre of land back of the pumping station.

I wish to recommend that an appropriation for the following list of improvements, with their estimates, should be requested of the Legislature of 1917, and hope that the necessity can be made so clear and presented in such a manner that we may not be disappointed in these matters that have been growing increasingly urgent during the last few years.

For mechanical handling of coal, . . . . .	\$14,800
For hospital for women, . . . . .	162,000
For real estate, . . . . .	3,950
	<hr/>
	\$180,750

The necessity for mechanical coal-handling equipment is because of the large amount of coal used and the impossibility of unloading with sufficient rapidity at the time of delivery, the lack of any provision at present for handling the large steel gondola cars, and to diminish materially the cost of unloading the coal and supplying it for service at the boilers.

The necessity for a hospital building for women is to pro-

vide sufficient and suitable hospital accommodations for the women of the Infirmary, and to provide for necessary classification in separate wards of maternity, surgical, acute, chronic, venereal, and infectious cases.

The necessity for the purchase of real estate is that certain parcels are in the market which are of special value to the Infirmary.

For special information regarding expenses, tables, statistics and schedules at the State Infirmary, I would invite your attention to the numerous tables which follow in this report.

Continued visits from students in large or small delegations during the year for the purpose of studying cases in our hospital wards and also visits of delegations from the different civic and charitable societies have been frequent.

The occasion of greatest interest, which was held on June 30, was the reunion of former internes, assistant physicians, members of the consulting board, and other physicians who have been specially interested in the Infirmary. At that time more than 100 guests were present to visit the various departments and to note the progress of the institution since the last reunion, which was held in June, 1912.

The rapidity with which all convalescent or recovered patients have left the institution during the year has made the traditional use of helpers almost negligible. They have heretofore very materially aided in all of the work within the buildings, and outside on the grounds and farm and in special departments. The result is that it has never been so difficult to accomplish the work at hand or to keep things up to the usual or desired standard. The fact that in our admissions there was a smaller proportion admitted for trivial ailments detracted from the usual number that was of the helper class; and unless there should be, during the coming year, a return to the former conditions, it will be necessary to provide additional employees for this much needed element in the economy of the institution.

The difficulty in securing and retaining suitable employees and the proper number in all of the departments has been at times such as to almost halt the work, even in some of the departments vital to the institution. Higher wages, shorter hours and more congenial conditions of living and of employ-

ment elsewhere have made it impossible for us to keep all of the positions filled. I believe that everything possible should be authorized to make work in departments which care for the State's unfortunates as profitable, as healthful and as agreeable as other kinds of labor, so that we can attract, secure and retain for long-continued service people who are capable, gifted or well experienced in institution work. There should be an adequate and comfortable social center for our large number of employees when off duty. It should be possible to have more married people, who could live with their families in cottages on the institution grounds. Quarters for other employees should abound with simple comforts, and wages should be equal to those paid in such service in near-by places. An eight-hour day for all employees should be the rule. All these things will make larger appropriations necessary. If a forty-eight hour per week requirement is established by the law of the Commonwealth in regard to a certain portion of people already on our pay roll, — and I can see no justice in designating one class as specially privileged beyond others, — and as the real purpose of the institution is to care for people mentally and physically unfortunate, I cannot conceive of any just reason for not applying the same rule to those of our employees whose duty it is actually to care for the State charges, for whom the institution is established and maintained. In their work on wards where patients are physically and mentally sick the danger of the employees to nervous and physical breakdown is much greater than in other departments of the institution, and this danger is increased with the lengthened time required in daily service. I wish that a provision, with necessary appropriations, allowing an eight-hour day, with three shifts in the twenty-four hours for those employed on ward service, might soon be adopted as a policy of the Commonwealth.

Appreciation of the kindness of many friends should be expressed in behalf of the institution for books, periodicals, Christmas gifts, entertainments, and many other things which have been given for the benefit of the patients; and especially to the teachers, social workers, and others who have volunteered their services where there have been opportunities in



teaching, entertaining, and extending aid to the blind, the illiterate, the foreign speaking, those detained with physical or mental disorders, and those unmarried mothers with infants delayed for a while in our hospital wards.

Mention should here be made of the gift of a particular friend of the Infirmary, who, in appreciation of services rendered in an emergency by one of our nurses, presented me with a check for \$35 to be used by said nurse in the purchase of certain comforts, or in such ways as might bring greater happiness to the very young children in our wards. Other friends have added to this, for the same purpose, until the amount, known as the "McDonald fund," has now reached \$75.

I wish to renew my expressions of appreciation of the continued services of our chaplains during the past year. The Rev. Father McGann has added another year of his devoted service in attendance on our patients in the hospital wards, and also at the regular and special services in the chapel, which work makes endless demands upon his time and attention, as well as his associates of the Oblate Fathers, who are so often detailed to assist or relieve him in extending the comforts of the Catholic Church. The Rev. Mr. Wright has also faithfully continued his weekly services and visits in the chapel and in the wards for those of the Protestant faith. And likewise the Rev. Mr. Robinson has continued the services and visits for the Hebrew members of the institution.

I wish to acknowledge my appreciation of the debt to my associates of the medical staff and the employees of the other departments who have remained at their work and patiently performed their duties through a year in which there have been many changes in personnel, and so many members short of the full quota, with all of the resulting discouragements.

Through many years past, generous support of the superintendent, farseeing and intense interest in the needs of the institution and the patients' welfare have characterized the Board of Trustees, which has been as if but one person in its purpose, and made possible the many changes and rapid growth in everything relating to the Infirmary. Although changes in membership of the Board have been frequent, it

has been a distinct pleasure to acknowledge my appreciation of the helpfulness of the Board during each succeeding year, but it has never been so difficult for me to express adequately my gratitude to you as a Board and to each one individually for the encouragement and the many kindnesses with which I have been aided by you in my work during the year of this report. That I was never more deeply grateful is the least that I can say at the close of this year, which is the twenty-fifth of my service in the State Infirmary.

JOHN H. NICHOLS,

*Superintendent and Resident Physician.*

## TREASURER'S REPORT.

*To the Trustees of the State Infirmary.*

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1916:—

CASH ACCOUNT.			
Balance Dec. 1, 1915,	.	.	\$6,929 37
<i>Receipts.</i>			
<i>Institution Receipts.</i>			
Board of inmates:—			
Reimbursements, insane,	.	\$394 16	
Reimbursements, charitable,	.	23,524 60	
		<hr/>	\$23,918 76
Sales:—			
Food,	.	\$15 58	
Clothing and materials,	.	1,463 77	
Medical and general care,	.	310 93	
Farm and stable:—			
Cows and calves,	\$10 00		
Hides,	111 84		
Sundries,	54 75		
		<hr/>	176 59
Repairs, ordinary,	.	25 20	
		<hr/>	1,992 07
Miscellaneous receipts:—			
Interest on bank balances,	.	\$385 48	
Sundries,	.	255 12	
		<hr/>	640 60
		<hr/>	26,551 43
<i>Receipts from Treasury of Commonwealth.</i>			
Maintenance appropriations:—			
Balance of 1915,	.	\$7,822 70	
Advance money (amount on hand November 30),	.	30,000 00	
Approved schedules of 1916,	\$459,839 90		
Less returned,	24 48		
		<hr/>	459,815 42
		<hr/>	497,638 12
Special appropriations,	.	.	40,479 25
			<hr/>
Total,	.	.	\$571,598 17

*Payments.*

## To treasury of Commonwealth: —

Institution receipts,	.	.	.	.	.	.	.	.	.	\$26,551 43
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## Maintenance appropriations: —

Balance November schedule, 1915,	.	.	.	.	\$14,752 07	
Eleven months' schedules, 1916,	.	.	.	.	459,815 42	
November advances,	.	.	.	.	24,708 41	
					<hr/>	499,275 90

## Special appropriations: —

Approved schedules,	.	.	.	.	.	.	.	.	.	40,479 25
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## Balance Nov. 30, 1916: —

In bank,	.	.	.	.	.	.	\$5,290 41	
In office,	.	.	.	.	.	.	1 18	
							<hr/>	5,291 59

Total,	.	.	.	.	.	.	.	.	\$571,598 17
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## MAINTENANCE.

Appropriation current year,	.	.	.	.	.	.	.	\$513,300 00
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Balance from previous year brought forward,	.	.	.	.	.	.	.	—
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Total,	.	.	.	.	.	.	.	\$513,300 00
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Expenses (as analyzed below),	.	.	.	.	.	.	.	512,081 27
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Balance reverting to treasury of Commonwealth,	.	.	.	.	.	.	.	\$1,218 73
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## ANALYSIS OF EXPENSES.

## Salaries, wages: —

John H. Nichols, M.D., superintendent,	.	.	.	.	\$3,416 67	
General administration,	.	.	.	.	54,568 85	
Medical service,	.	.	.	.	20,300 79	
Ward service (male),	.	.	.	.	17,415 90	
Ward service (female),	.	.	.	.	46,345 69	
Repairs,	.	.	.	.	19,168 23	
Farm and stable,	.	.	.	.	14,552 38	
Grounds,	.	.	.	.	1,093 71	
					<hr/>	\$176,862 22

## Religious instruction: —

Catholic,	.	.	.	.	.	\$1,260 00	
Jewish,	.	.	.	.	.	260 00	
Protestant,	.	.	.	.	.	326 00	
						<hr/>	1,846 00

## Travel, transportation and office expenses: —

Automobiles,	.	.	.	.	.	\$1,000 00	
Automobile repairs and supplies,	.	.	.	.	.	2,334 93	
Postage,	.	.	.	.	.	717 14	
Printing and binding,	.	.	.	.	.	1,013 51	
						<hr/>	
Amounts carried forward,	.	.	.	.	.	\$5,065 58	\$178,708 22

<i>Amounts brought forward,</i>	\$5,065 58	\$178,708 22
<b>Travel, transportation and office expenses — <i>Con.</i></b>		
Printing annual report,	340 67	
Stationery and office supplies,	881 59	
Telephone and telegraph,	1,067 95	
Travel,	855 93	
Freight,	369 05	
		8,580 77
<b>Food: —</b>		
Butter,	\$4,590 52	
Butterine,	11,865 02	
Beans,	4,214 96	
Bread, crackers, etc.,	462 94	
Canned soups,	25 84	
Cereals, rice, meal, etc.,	4,464 11	
Cheese,	358 31	
Eggs,	21,145 86	
Flour,	23,913 54	
Fish (fresh, cured and canned),	5,216 10	
Fruit (fresh),	481 22	
Fruit (dried and preserved),	2,621 58	
Lard and substitutes,	465 65	
Macaroni and spaghetti,	181 57	
Meats,	31,098 79	
Milk (fresh and substitutes),	29,867 66	
Molasses and syrups,	1,643 07	
Peanut butter, pie filling, etc.,	378 58	
Potatoes,	7,634 83	
Seasonings and condiments,	2,070 55	
Sugar,	9,585 16	
Tea, coffee, cocoa, etc.,	5,777 41	
Vegetables (fresh),	627 83	
Vegetables (canned and dried),	2,186 64	
Yeast, baking powder, etc.,	1,045 88	
Freight,	988 29	
		172,911 91
<b>Clothing and materials: —</b>		
Boots, shoes and rubbers,	\$6,127 96	
Clothing (outer),	3,226 87	
Clothing (under),	5,928 24	
Dry goods for clothing,	10,121 02	
Hats and caps,	338 52	
Leather and shoe findings,	1,288 64	
Machinery for manufacturing,	135 49	
Socks and smallwares,	2,600 88	
Freight,	102 46	
		29,870 08
<b>Furnishings and household supplies: —</b>		
Beds, bedding, etc.,	\$12,657 76	
Carpets, rugs, etc.,	339 13	
Crockery, glassware, cutlery, etc.,	2,329 27	
Dry goods and smallwares,	488 57	
Fire hose and extinguishers,	238 72	
<i>Amounts carried forward,</i>	\$16,053 45	\$390,070 98

*Amounts brought forward,* . . . . \$16,053 45 \$390,070 98

Furnishings and household supplies — *Con.*

Furniture, upholstery, etc., . . . .	1,578 82	
Kitchen and household wares, . . . .	2,278 96	
Laundry supplies and materials, . . . .	3,527 93	
Lavatory supplies and disinfectants, . . . .	1,771 45	
Table linen, paper napkins, towels, etc., . . . .	1,169 21	
Freight, . . . .	209 79	
	<hr/>	26,589 61

Medical and general care:—

Books, periodicals, etc., . . . .	\$168 23	
Entertainments, games, etc., . . . .	633 39	
Gratuities, . . . .	2,541 55	
Ice and refrigeration, . . . .	525 76	
Laboratory supplies and apparatus, . . . .	694 11	
Manual training supplies, . . . .	87 45	
Medicines (supplies and apparatus), . . . .	10,637 48	
Medical attendance (extra), . . . .	870 16	
Return of runaways, . . . .	1 50	
School books and supplies, . . . .	293 08	
Sputum cups, etc., . . . .	631 72	
Tobacco, pipes, matches, . . . .	3,348 42	
Freight, . . . .	68 86	
	<hr/>	20,501 71

Heat, light and power:—

Coal, . . . .	\$8,934 83	
Freight on coal and other expenses, . . . .	12,282 64	
Gas, . . . .	2,347 39	
Oil, . . . .	269 94	
Operating supplies for boilers and engines, . . . .	428 26	
Sundries, . . . .	15 62	
	<hr/>	24,278 68

Farm and stable:—

Bedding materials, . . . .	\$7 50	
Blacksmithing and supplies, . . . .	131 00	
Carriages, wagons and repairs, . . . .	54 57	
Dairy equipment and supplies, . . . .	113 40	
Fencing materials, . . . .	83 95	
Fertilizers, . . . .	2,816 17	
Grain, etc., . . . .	8,130 74	
Hay, . . . .	1,533 00	
Harnesses and repairs, . . . .	467 23	
Horses, . . . .	925 00	
Cows, . . . .	1,766 25	
Rent, . . . .	120 00	
Spraying materials, . . . .	30 00	
Stable and barn supplies, . . . .	70 69	
Tools, implements, machines, etc., . . . .	970 98	
Trees, vines, seeds, etc., . . . .	1,168 68	
Veterinary services, supplies, etc., . . . .	376 38	
Freight, . . . .	103 40	
Pasturing young stock, . . . .	112 00	
	<hr/>	\$18,980 94

*Amount carried forward,* . . . . \$480,421 92

Amount brought forward, . . . . . \$480,421 92

Grounds:—

Fertilizers, . . . . .	\$200 00	
Tools, implements, machines, etc., . . . . .	102 97	
Trees, vines, shrubs, seeds, etc., . . . . .	306 75	
Freight, . . . . .	11 97	
	<hr/>	621 69

Repairs, ordinary:—

Brick, . . . . .	\$210 00	
Cement, lime, crushed stone, etc., . . . . .	1,043 61	
Electrical work and supplies, . . . . .	2,329 29	
Hardware, iron, steel, etc., . . . . .	5,063 83	
Lumber, etc. (including finished products), . . . . .	4,694 06	
Paint, oil, glass, etc., . . . . .	3,031 64	
Plumbing and supplies, . . . . .	3,426 33	
Steam fittings and supplies, . . . . .	3,902 83	
Tools, machines, etc., . . . . .	2,881 38	
Boilers, repairs, . . . . .	247 62	
Engines, repairs, . . . . .	24 47	
Freight, . . . . .	307 60	
	<hr/>	27,162 66

Repairs and renewals:—

Laundry machines, . . . . .	\$2,375 00	
Concrete subway (asylum 5 to asylum 8), . . . . .	1,500 00	
	<hr/>	3,875 00

Total expenses for maintenance, . . . . . \$512,081 27

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1915, . . . . .	\$68,062 51
Appropriations for fiscal year, . . . . .	6,000 00

Total, . . . . .	\$74,062 51
Expended during the year (see statement annexed), . . . . .	\$40,479 25
Reverting to treasury of Commonwealth, . . . . .	5 21
	<hr/>
	40,484 46

Balance Nov. 30, 1916, . . . . . \$33,578 05

RESOURCES AND LIABILITIES.

*Resources.*

Cash on hand, . . . . .	\$5,291 59
November cash vouchers (paid from advance money), account of maintenance, . . . . .	24,708 41
Due from treasury of Commonwealth from available appropriation account November, 1916, schedule, . . . . .	22,265 85
	<hr/>
	\$52,265 85



*Liabilities.*

Schedule of November bills, . . . . . \$52,265 85

## PER CAPITA.

During the year the average number of inmates has been 2,303.98.

Total cost for maintenance, \$512,081.27.

Equal to a weekly per capita cost of \$4.2742.

Receipt from sales, \$1,992.07.

Equal to a weekly per capita of \$0.0166.

All other institution receipts, \$24,559.36.

Equal to a weekly per capita of \$0.205.



*Special Appropriations.*

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Pipe line, . . . . .	Chap. 127, Res. 1914	\$1,600 00	—	\$1,252 76	\$347 24
Hot water system, . . . . .	Chap. 107, Res. 1915	13,878 00	\$1,451 56	13,872 79	5 21 <sup>1</sup>
Nurses' home, . . . . .	Chap. 107, Res. 1915	72,863 00	38,626 27	45,230 77	27,632 23
Changes in pumping station, . . . . .	Chap. 99, Res. 1916	6,000 00	401 42	401 42	5,598 58
		\$94,341 00	\$40,479 25	\$60,757 74	\$33,578 05

<sup>1</sup> Reverting to treasury of the Commonwealth.

Respectfully submitted,

JOHN H. NICHOLS,  
*Treasurer.*

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,  
*Auditor.*

## STATISTICAL FORM FOR STATE INSTITUTIONS.

[Prepared in accordance with a resolution of the National Conference of Charities  
and Correction, adopted May 15, 1906.]

Name of Institution: STATE INFIRMARY.

### *Population.*

	Males.	Females.	Totals.
Number of inmates present at beginning of fiscal year, . . . . .	1,280	1,099	2,379
Number received during the year, . . . .	2,935	1,054	3,989
Number discharged or died during the year, Number at end of the fiscal year, . . . .	3,051 1,164	1,099 1,054	4,150 2,218
Daily average attendance ( <i>i.e.</i> , number of inmates actually present) during the year, Average number of officers and employees during the year, . . . . .	1,247 177	1,057 187	2,304 364

### *Expenditures.*

#### Current expenses: —

1. Salaries and wages, . . . . .	\$176,862 22
2. Clothing, . . . . .	29,870 08
3. Subsistence, . . . . .	172,911 91
4. Repairs, ordinary, . . . . .	27,162 66
5. Repairs and renewals, . . . . .	3,875 00
6. Office, domestic and outdoor expenses, . . . . .	101,399 40

Total, . . . . . \$512,081 27

#### Extraordinary expenses: —

1. New buildings, land, etc., . . . . .	\$40,479 25
2. Permanent improvements to existing buildings, . . . . .	—

Total, . . . . . 40,479 25

Grand total, . . . . . \$552,560 52

Notes on current expenses: —

1. Salaries and wages should include salaries of trustees or directors if any.
2. Clothing including shoes, and also materials for clothing and shoes if they are manufactured in the institution.
4. Ordinary repairs include all of those which simply maintain the buildings in condition without adding to them. Any repairs which are of the nature of additions should be classed with "permanent improvements."
5. This item included everything not otherwise provided for, *e.g.*, furniture, bedding, laundry supplies, medicines, engineer's supplies, postage, freight, library, etc.

Executive head (superintendent and resident physician): JOHN H. NICHOLS.

*Statistics for Forty-five Years concerning Inmates.*

YEARS.	Total Number of Persons.	Number admitted.	Weekly Average.	Number of Hospital Cases.	Whole Number of Deaths.	Per Cent. of Deaths of Hospital Cases.	Per Cent. of Deaths of Total Number of Persons.	Whole Number of Inmate.	Number of Inmate Deaths.	Per Cent. of Inmate Deaths.	Number of Deaths under One Year of Age.	Number employed Each Year.	Proportion of Inmates to Officers.
1872,	2,356	2,053	768	1,454	334	.229	.141	421	61	.145	66	27	28
1873,	2,986	2,311	816	1,467	348	.237	.116	435	60	.138	69	29	28
1874,	3,448	2,686	885	1,213	314	.258	.091	409	42	.102	68	32	28
1875,	2,936	2,131	844	1,358	325	.239	.110	411	58	.141	68	39	22
1876,	3,757	2,965	918	1,812	276	.152	.073	368	38	.103	88	40	23
1877,	3,995	3,197	924	1,029	257	.249	.064	341	20	.058	114	42	22
1878,	3,552	2,633	943	1,802	306	.106	.086	321	25	.076	126	44	21
1879,	3,158	2,261	945	1,397	305	.218	.096	256	16	.062	138	44	21
1880,	2,964	2,118	917	1,521	184	.121	.062	266	8	.030	35	42	22
1881,	3,558	2,686	919	1,630	216	.132	.060	308	6	.019	40	42	22
1882,	3,610	2,688	895	1,530	235	.153	.065	377	25	.066	38	46	19
1883,	4,057	3,231	956	1,980	233	.117	.057	294	16	.053	32	48	20
1884,	4,727	3,798	1,003	1,505	225	.149	.047	344	17	.049	32	51	20
1885,	4,300	3,223	997	1,608	218	.135	.050	351	23	.065	38	57	17
1886,	3,040	2,228	917	1,383	143	.103	.047	434	16	.036	20	67	14
1887,	3,190	2,362	904	1,820	171	.093	.053	444	33	.074	24	69	13
1888,	3,532	2,655	873	1,859	184	.098	.052	439	27	.061	28	73	12
1889,	3,403	2,538	846	1,910	152	.079	.044	416	21	.050	16	75	11
1890,	3,277	2,436	932	1,969	198	.100	.060	412	44	.106	13	71	13
1891,	3,617	2,815	900	2,105	176	.083	.048	406	19	.046	8	77	12
1892,	3,818	2,973	991	2,265	227	.100	.059	447	23	.051	20	78	13

1893,	3,985	3,160	1,050	2,456	259	.105	.065	537	44	.082	30	85	12
1894,	4,648	3,644	1,217	2,940	259	.088	.055	532	39	.073	26	85	14
1895,	4,110	3,071	1,167	2,810	221	.079	.053	548	28	.051	30	89	13
1896,	4,668	3,604	1,231	3,126	272	.087	.058	551	39	.071	17	90	14
1897,	4,811	3,625	1,289	3,407	328	.096	.068	566	45	.080	32	95	14
1898,	4,568	3,451	1,292	3,211	291	.091	.064	554	30	.054	18	100	13
1899,	4,605	3,353	1,349	3,050	344	.113	.075	570	38	.067	42	105	13
1900,	4,085	2,883	1,250	3,036 <sup>1</sup>	320 <sup>1</sup>	.105 <sup>1</sup>	.094	597	65	.109	31	108	12
1901,	4,534	3,360	1,346	3,285 <sup>1</sup>	364 <sup>1</sup>	.111 <sup>1</sup>	.095	638	69	.108	30	119	11
1902,	4,472	3,246	1,284	3,217 <sup>1</sup>	355 <sup>1</sup>	.110 <sup>1</sup>	.091	604	54	.089	28	125	10
1903,	4,688	3,493	1,344	3,698 <sup>1</sup>	384 <sup>1</sup>	.104 <sup>1</sup>	.094	606	59	.097	31	130	10
1904,	5,104	3,901	1,491	4,094 <sup>1</sup>	421 <sup>1</sup>	.103 <sup>1</sup>	.098	684	78	.114	24	140	11
1905, <sup>2</sup>	5,290	3,894	1,491	4,277 <sup>1</sup>	477 <sup>1</sup>	.111 <sup>1</sup>	.117	675	141	.209	28	148	10
1906,	5,880	4,619	1,515	4,948 <sup>1</sup>	557 <sup>1</sup>	.112 <sup>1</sup>	.108	723	76	.105	33	161	9
1907,	6,111	4,531	1,715	5,057 <sup>1</sup>	564 <sup>1</sup>	.112 <sup>1</sup>	.111	763	113	.148	34	193	9
1908,	8,157	6,368	1,949	6,854 <sup>1</sup>	692 <sup>1</sup>	.101 <sup>1</sup>	.097	838	104	.124	62	240	8
1909,	7,619	5,534	2,073	6,494 <sup>1</sup>	535 <sup>1</sup>	.082 <sup>1</sup>	.070	868	85	.098	76	289	7
1910,	7,162	5,028	2,119	6,331 <sup>1</sup>	561 <sup>1</sup>	.083 <sup>1</sup>	.089	869	82	.094	38	296	7
1911,	7,069	4,933	2,201	6,206 <sup>1</sup>	533 <sup>1</sup>	.086 <sup>1</sup>	.089	900	94	.104	59	302	7
1912,	6,955	4,629	2,283	6,476 <sup>1</sup>	503 <sup>1</sup>	.078 <sup>1</sup>	.085	860	86	.100	33	320	7
1913,	6,473	4,240	2,313	6,191 <sup>1</sup>	526 <sup>1</sup>	.085 <sup>1</sup>	.092	824	71	.086	36	341	7
1914,	7,298	4,944	2,429	7,625 <sup>1</sup>	531 <sup>1</sup>	.069 <sup>1</sup>	.073	826	56	.068	46	362	7
1915,	7,244	4,775	2,601	8,317 <sup>1</sup>	610 <sup>1</sup>	.073 <sup>1</sup>	.084	834	70	.084	37	372	7
1916,	6,368	3,989	2,304	7,090 <sup>1</sup>	627 <sup>1</sup>	.088 <sup>1</sup>	.099	869	88	.101	37	364	6

<sup>1</sup> Insane cases not included.<sup>2</sup> This year includes fourteen months.

*Financial Statistics for Forty-five Years.*

YEARS.	General Expenses. <sup>1</sup>	Salaries.	Per Capita Cost.	Average Salary.	Special Expenses. <sup>2</sup>	Buildings.	Total Appraisal.
1872,	\$70,388 90	\$12,811 89	\$2 06	\$474 51	\$39,507 07	\$205,585 00	\$343,998 32
1873,	73,785 87	14,097 65	2 04	486 12	7,118 10	209,250 00	361,381 64
1874,	77,261 77	16,020 70	2 00	500 64	-	210,350 00	359,585 33
1875,	78,472 77	17,898 93	2 18	458 92	5,297 96	216,580 00	363,299 79
1876,	72,592 15	17,607 84	1 88	440 20	2,294 92	221,080 00	372,555 71
1877,	81,084 31	18,484 17	2 10	440 10	2,306 59	226,830 00	379,174 14
1878,	78,515 60	19,268 97	1 75	437 93	-	227,980 00	373,215 74
1879,	62,862 18	19,434 16	1 61	441 69	6,594 85	230,755 89	381,893 84
1880,	65,854 80	18,094 06	1 61	430 81	8,868 23	243,275 00	393,662 33
1881,	73,248 25	18,252 60	1 87	434 59	7,706 00	247,425 00	399,349 38
1882,	79,610 58	19,485 77	2 09	423 60	6,871 00	257,868 13	412,410 26
1883,	71,836 53	19,147 14	1 83	398 90	835 00	253,368 13	410,378 97
1884,	76,663 30	19,596 11	1 80	354 82	2,884 00	259,818 13	413,697 57
1885,	70,804 12	21,189 29	1 70	371 74	9,883 00	266,424 30	419,927 27
1886,	70,418 10	23,183 22	1 76	346 02	2,729 00	270,368 97	430,842 46
1887,	81,695 60	25,314 71	2 08	366 88	35,547 00	326,788 76	500,481 46
1888,	74,534 90	27,625 40	2 33	374 30	44,472 00	333,722 56	522,309 15
1889,	67,835 59	28,798 87	1 76	383 98	5,005 00	335,905 65	518,990 31
1890,	79,942 76	28,626 39	2 23	403 18	46,044 00	388,615 65	579,372 68
1891,	91,674 82	29,607 24	2 59	384 51	3,171 00	339,090 65	596,859 75
1892, <sup>1891</sup>	83,607 95	28,469 39	2 17	364 99	32,032 00	426,563 15	630,508 65
1893,	89,664 25	30,655 86	2 20	360 66	7,447 00	428,413 15	652,143 99



1894,	.	.	.	.	.	89,799 39	31,565 97	1 91	371 36	132,694 00	525,989 06	745,545 38
1895,	.	.	.	.	.	106,406 26	32,396 50	2 29	363 70	69,809 34	544,327 72	704,547 46
1896,	.	.	.	.	.	105,941 08	32,820 96	2 17	364 67	36,233 05	590,050 00	777,356 06
1897,	.	.	.	.	.	102,292 07	34,156 32	2 04	359 54	56,058 10	613,600 00	855,516 74
1898,	.	.	.	.	.	109,701 01	36,581 04	2 18	365 81	31,496 12	629,000 00	897,690 37
1899,	.	.	.	.	.	126,624 88	39,147 12	2 36	372 83	41,823 37	604,050 00	913,719 13
1900,	.	.	.	.	.	123,198 97	39,438 08	2 50	365 17	52,409 33	701,150 00	966,500 35
1901,	.	.	.	.	.	144,019 16	42,890 65	2 67	360 42	53,881 49	729,300 00	1,009,264 73
1902,	.	.	.	.	.	129,881 74	44,306 84	2 61	354 45	49,076 63	778,275 00	1,068,979 87
1903,	.	.	.	.	.	160,680 40	48,283 55	3 12	371 41	35,200 11	789,200 00	1,111,309 60
1904,	.	.	.	.	.	163,065 40	49,029 81	2 74	350 21	33,853 86	806,800 00	1,136,398 34
1905,	.	.	.	.	.	154,654 41	51,904 56	2 66	350 71	45,328 21	822,650 00	1,173,110 25
1906, <sup>3</sup>	.	.	.	.	.	210,042 96	69,241 83	3 02	430 07	93,113 78	892,765 00	1,296,165 17
1907,	.	.	.	.	.	193,762 35	67,994 49	2 94	352 30	59,984 15	934,750 00	1,316,723 80
1908,	.	.	.	.	.	250,720 78	93,259 20	3 39	388 58	55,347 87	1,004,500 00	1,411,753 65
1909,	.	.	.	.	.	275,849 53	116,281 15	3 64	402 35	39,397 28	1,029,350 00	1,448,510 07
1910,	.	.	.	.	.	269,487 19	117,982 17	3 52	398 60	62,292 61	1,073,600 00	1,534,056 91
1911,	.	.	.	.	.	273,412 51	120,917 51	3 44	400 38	22,151 53	1,087,250 00	1,532,584 85
1912,	.	.	.	.	.	289,055 55	133,625 94	3 56	417 58	30,538 74	1,206,337 50 <sup>4</sup>	1,653,662 68
1913,	.	.	.	.	.	288,597 14	155,533 42	3 69	456 11	29,934 71	1,229,132 90	1,692,213 22
1914,	.	.	.	.	.	299,083 52	161,887 85	3 65	465 01	61,834 23	1,292,051 48	1,776,356 15
1915,	.	.	.	.	.	320,223 95	172,783 13	3 64	464 02	22,292 67	1,304,879 50	1,811,599 77
1916,	.	.	.	.	.	335,219 05	176,862 22	4 27	485 88	40,479 25	1,345,405 77	1,881,287 63

<sup>1</sup> The general expenses are the running expenses of the institution, not including salaries.<sup>3</sup> This year includes fourteen months.<sup>4</sup> This includes plumbing, piping and fixtures.<sup>2</sup> The special expenses include new buildings and improvements.

## VALUATION.

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### REAL AND PERSONAL PROPERTY.

Personal property, . . . . .	\$271,060 71
Real estate: —	
Buildings, . . . . .	\$1,345,405 77
Land and other real estate, . . . .	264,821 15
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 1,610,226 92
	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> \$1,881,287 63

This is to certify that the foregoing is a true schedule and appraisal of the personal property and real estate of the State Infirmary, Tewksbury, Mass., belonging to the Commonwealth, Nov. 30, 1916.

JOSEPH S. KENDALL.

### COMMONWEALTH OF MASSACHUSETTS.

TEWKSBURY, March 23, 1917.

MIDDLESEX, ss.

Then personally appeared the above-named Joseph S. Kendall before me, and made oath that the foregoing schedule and appraisal is correct, according to his best knowledge and belief.

HENRY K. SPAULDING,  
*Notary Public.*



## STATISTICAL STATEMENTS.

### STATEMENT No. 1.

Number in hospital Dec. 1, 1915, . . . . .	2,379
Admitted during the year, . . . . .	3,989
Discharged during the year, . . . . .	4,150
Supported during the year, . . . . .	6,368
Deaths during the year, . . . . .	715
Births during the year, . . . . .	127
Weekly average, . . . . .	2,303.98
Present number, . . . . .	2,218

Of the 3,989 admitted during the twelve months ending Nov. 30, 1916, there were from —

Boston, . . . . .	1,869
Lowell, . . . . .	442
Tewksbury, . . . . .	242
Lawrence, . . . . .	167
Births, . . . . .	127
Worcester, . . . . .	69
State Farm, . . . . .	63
Springfield, . . . . .	58
Haverhill, . . . . .	50
Danvers State Hospital, . . . . .	48
Westborough State Hospital, . . . . .	41
Lynn, . . . . .	40
Chelsea and Reformatory for Women (Sherborn), 38 each, . . . . .	76
New Bedford, . . . . .	37
Fitchburg, . . . . .	34
Somerville, . . . . .	33
Cambridge, . . . . .	31
Holyoke, . . . . .	30
Malden, . . . . .	26
Woburn and Salem, 25 each, . . . . .	50
Peabody, . . . . .	23
Worcester State Hospital, . . . . .	17

Industrial School for Girls (Lancaster), . . . . .	14
Chicopee, . . . . .	11
Fall River, Leominster, North Adams, Newburyport and Wilming- ton, 10 each, . . . . .	50
Framingham, Gloucester and Melrose, 9 each, . . . . .	27
Maynard, Everett, Brockton and Quincy, 8 each, . . . . .	32
Greenfield, Webster, visit and Westfield, 7 each, . . . . .	28
Revere, Gardner, Lyman School and Gardner State Colony, 6 each, Wakefield, Winchendon, Natick, Reading, Bedford and Amesbury, 5 each, . . . . .	24 30
Grafton State Hospital, Attleboro, boarding out, Andover, Brook- line, Chelmsford, Methuen, Milford, Norwood, Southbridge Stoneham, Arlington and Taunton, 4 each, . . . . .	52
Billerica, Dracut, Dedham, Adams, Taunton State Hospital, Winchester, Marlborough, Ipswich, Medford, Plymouth, Pitts- field, Sutton and Uxbridge, 3 each, . . . . .	39
Beverly, Charlton, Belmont, Essex, Hudson, Northbridge, North- ampton, Ludlow, Middleborough, Newton, North Attleborough, Rockland, Sudbury, Southborough, North Reading, Palmer, Swampscott, Williamstown, Waltham, Westford, Wilbraham, Tyngsborough, Weymouth, West Springfield and Hingham, 2 each, . . . . .	50
Barre, Burlington, Bourne, Carlisle, Dudley, Ayer, Athol, Auburn, Bernardston, Concord, Cohasset, Douglas, Danvers, East Pepperell, Hardwick, Monson, East Weymouth, Easthampton, Foxborough, Grafton, Groveland, Granville, Holliston, Hadley, Heath, Holden, Leicester, Lakeville State Sanatorium, Lan- caster, Lexington, Lee, Mansfield, Norfolk State Hospital, Northbridge, North Andover, Princeton, Rockport, Rowley, North Weymouth, Oxford, Pepperell, Rochester, Sterling, Saugus, Southampton, Whitman, Westport, Ware, Watertown, Winthrop, Wareham, Wrentham, Wales, West Newbury, Whi- tinsville, Medfield State Asylum, Bridgewater State Hospital, Medfield State Hospital and Boston State Hospital, 1 each, . .	59
Total, . . . . .	3,989

The following table shows the number admitted each month, sex and age: —

MONTHS.	Totals.	Males.	Females.	Under 10.	Between 10 and 20.	Between 20 and 30.	Between 30 and 40.	Between 40 and 50.	Between 50 and 60.	Between 60 and 70.	Between 70 and 80.	Over 80.
<b>1915.</b>												
December, . . .	393	318	75	25	25	61	53	82	83	44	18	2
<b>1916.</b>												
January, . . .	372	292	80	33	26	49	51	78	70	51	11	3
February, . . .	375	282	93	32	20	70	71	84	55	31	11	1
March, . . .	320	251	69	23	17	67	44	65	60	33	9	2
April, . . .	296	220	76	32	22	59	46	47	49	32	9	—
May, . . .	308	226	82	37	17	67	41	44	54	37	9	2
June, . . .	311	218	93	31	14	38	50	55	56	46	17	4
July, . . .	258	191	67	36	18	45	42	29	42	31	14	1
August, . . .	303	224	79	32	26	48	37	52	48	45	13	2
September, . . .	269	187	82	41	20	40	32	47	38	40	9	2
October, . . .	273	193	80	29	15	45	36	45	47	42	11	3
November, . . .	511	333	178	83	67	93	67	64	70	53	14	—
Totals, . . .	3,989	2,935	1,054	434	287	682	570	692	672	485	145	22

## STATEMENT No. 2.

*Nativity of Inmates.*

Massachusetts, . . . . .	1,069
Ireland, . . . . .	893
British Provinces, . . . . .	388
England, . . . . .	171
Russia, . . . . .	161
Italy, . . . . .	125
New York, . . . . .	117
Maine, . . . . .	108
New Hampshire, . . . . .	94
Greece, . . . . .	82
Rhode Island, . . . . .	62
Scotland, . . . . .	57
Austria, . . . . .	55
Connecticut, . . . . .	47
Sweden and Vermont, 44 each, . . . . .	88
Turkey, . . . . .	43
Unknown, . . . . .	31
Poland, . . . . .	30

Pennsylvania, . . . . .	28
Germany, . . . . .	27
Virginia, . . . . .	25
Finland, . . . . .	24
Portugal, . . . . .	21
Armenia and Illinois, 16 each, . . . . .	32
Cape Verde Islands and Azores, 15 each, . . . . .	30
Syria, . . . . .	13
West Indies and New Jersey, 11 each, . . . . .	22
Ohio and Maryland, 10 each, . . . . .	20
Michigan and North Carolina, 9 each . . . . .	18
Albania, . . . . .	8
South Carolina and California, 6 each, . . . . .	12
Spain and Norway, 5 each, . . . . .	10
Kentucky, Denmark, District of Columbia, France, Texas and Russia-Poland, 4 each, . . . . .	24
Florida, Delaware, Alabama, Kansas, Roumania and Belgium, 3 each, . . . . .	18
Missouri, Georgia, Wisconsin, North Dakota, Minnesota, Sicily, New Zealand, West Virginia, and St. Michael, 2 each, . . . . .	18
China, Madeira Island, Mexico, Colorado, Austria-Hungary, Oklahoma, Japan, Arkansas, Montana, Chicago, Australia, Brazil, Indiana, Cuba, Asia, Indianapolis, Louisiana and Switzer- land, 1 each, . . . . .	18
Total, . . . . .	3,989

## INFIRMARY STATISTICS.

*Maternity Table.*

MONTHS.	Total Births.	Males.	Females.	STILL-BORN.		LIVING BIRTHS.		Twins.	BIRTHPLACE OF MOTHERS.					
				Males.	Females.	Males.	Females.		United States.	Ireland.	England.	British Provinces.	Other Countries.	Totals.
<b>1915.</b>														
December, . . .	16	9	7	3	-	6	7	-	2	5	2	1	6	16
<b>1916.</b>														
January, . . .	14	9	5	1	1	8	4	-	7	3	-	-	4	14
February, . . .	8	5	3	-	-	5	3	-	4	-	-	3	1	8
March, . . .	9	3	6	-	-	3	6	-	5	2	-	1	1	9
April, . . .	19	11	8	1	-	10	8	-	9	-	-	3	7	19
May, . . .	15	8	7	-	-	8	7	-	7	1	1	3	3	15
June, . . .	11	7	4	-	-	7	4	-	6	-	-	3	2	11
July, . . .	9	5	4	-	-	5	4	-	2	-	1	1	5	9
August, . . .	12	2	10	1	3	1	7	-	4	3	-	2	3	12
September, . . .	7	4	3	-	-	4	3	-	3	1	-	-	3	7
October, . . .	10	8	2	-	-	8	2	-	7	3	-	-	-	10
November, . . .	6	3	3	-	-	3	3	-	2	-	-	1	3	6
Totals, . . .	136	74	62	6	4	68	58	-	58	18	4	18	38	136

TABLE OF DISEASES. *Medical.*

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirmary.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.	
GENERAL DISEASES.								
Addison's disease, . . . . .	1	1	-	-	-	-	-	1
Anæmia, pernicious, . . . . .	3	2	1	-	2	-	-	1
Anæmia, secondary, . . . . .	3	2	1	2	-	-	-	1
Anæmia, splenic, . . . . .	1	1	-	-	-	-	1	-
Arthritis, acute infectious, . . . . .	16	9	7	10	3	-	1	2
Arthritis, gonorrhœal, . . . . .	19	19	-	-	17	-	-	2
Arthritis, chronic, . . . . .	75	71	4	-	52	15	-	8
Diabetes mellitus, . . . . .	8	8	-	-	2	1	2	3
Diphtheria, . . . . .	34	6	28	25	-	-	2	7
Exophthalmic goiter, . . . . .	3	1	2	-	1	2	-	-
Hæmophilia, . . . . .	1	1	-	-	-	-	-	-
Hodgkin's disease, . . . . .	1	1	-	-	-	-	1	-
Influenza, . . . . .	70	58	12	65	4	-	-	1
Leukæmia, . . . . .	1	1	-	-	-	-	-	1
Malaria, tertian, . . . . .	3	3	-	2	-	-	-	1
Malnutrition, . . . . .	9	5	4	-	-	-	9	-
Measles, . . . . .	1	-	1	1	-	-	-	-
Myalgia, . . . . .	27	27	-	22	4	-	-	1
Obesity, . . . . .	1	1	-	-	-	1	-	-
Osteoarthritis, chronic, . . . . .	20	10	10	-	2	6	-	12
Parotiditis, . . . . .	46	12	34	46	-	-	-	-
Pellagra, . . . . .	3	1	2	-	-	-	2	1
Pertussis, . . . . .	11	4	7	10	-	-	1	-
Progeria, . . . . .	1	-	1	-	-	-	-	1
Rachitis, . . . . .	23	8	15	6	3	3	-	11
Septicæmia, . . . . .	6	6	-	1	1	-	4	-
Syphilis, hereditary, . . . . .	38	17	21	-	8	5	9	16
Syphilis, secondary, . . . . .	66	43	23	12	39	5	-	10
Syphilis, tertiary, . . . . .	91	50	41	6	51	8	4	22
Syphilis, latent, . . . . .	38	12	26	10	19	9	-	-
Tuberculosis, acute miliary, . . . . .	2	1	1	-	-	-	2	-
Tuberculosis, general, . . . . .	5	3	2	-	-	-	5	-
Typhoid fever, . . . . .	3	2	1	3	-	-	-	-
Typhoid fever, convalescent, . . . . .	1	-	1	1	-	-	-	-
Varicella, . . . . .	62	28	34	62	-	-	-	-
DISEASES OF NERVOUS SYSTEM.								
<i>Diseases of brain and membranes:—</i>								
Acromegaly, . . . . .	1	1	-	-	-	1	-	-
Cerebral diplegia, . . . . .	4	4	-	-	-	1	-	3
General paralysis, . . . . .	1	1	-	-	-	-	1	-
Hemiplegia, . . . . .	40	30	10	-	5	7	-	28
Hydrocephalus, . . . . .	4	-	4	-	-	-	2	2
Meningitis, tubercular, . . . . .	2	1	1	-	-	2	-	-
Multiple sclerosis, . . . . .	1	-	1	-	-	-	-	1
Syphilis, cerebrospinal, . . . . .	17	13	4	-	2	6	3	6
Tumor, . . . . .	2	2	-	-	1	1	-	-
Meningocele, . . . . .	2	2	-	-	1	1	-	-
<i>Diseases of spinal cord and nerves:—</i>								
Amyotrophic lateral sclerosis, . . . . .	11	11	-	-	4	2	-	5
Athetosis, . . . . .	2	2	-	-	-	1	-	1
Monoplegia, . . . . .	3	3	-	-	-	2	-	1
Locomotor ataxia, . . . . .	41	38	3	-	8	13	8	12
Myelitis, transverse, . . . . .	6	2	4	-	-	1	1	4
Neuritis, alcoholic, . . . . .	11	11	-	5	3	1	-	2
Neuritis, multiple, . . . . .	4	3	1	-	2	-	-	2
Neuritis, peripheral, . . . . .	28	26	2	19	2	2	-	5
Paralysis, facial, . . . . .	1	1	-	-	1	-	-	-
Paralysis, musculo-spiral, . . . . .	5	5	-	4	1	-	-	-
Poliomyelitis, chronic, . . . . .	2	1	1	-	1	1	-	-
Sclerosis, lateral, . . . . .	8	7	1	-	1	3	3	1
Spina bifida, . . . . .	1	-	1	-	-	-	-	1
Functional Diseases:—								
Chorea, . . . . .	2	-	2	-	-	2	-	-
Chorea, Huntington's, . . . . .	1	-	1	-	-	-	-	1
Epilepsy, . . . . .	12	9	3	-	-	7	-	5
Hysteria, . . . . .	3	2	1	-	2	1	-	-



TABLE OF DISEASES. *Medical*—Continued.

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirmary.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.	
DISEASES OF NERVOUS SYSTEM — <i>Con.</i>								
<i>Functional Diseases — Con.</i>								
Neurasthenia, . . . . .	19	17	2	-	11	7	-	1
Paralysis agitans, . . . . .	7	6	1	-	-	2	2	3
<i>Diseases of intellect:—</i>								
Feeble-minded, . . . . .	145	28	117	-	-	61	-	84
Idiocy, . . . . .	7	3	4	-	-	4	-	3
Mental, unclassified, . . . . .	54	32	22	-	-	38	-	16
DISEASES OF CIRCULATORY SYSTEM.								
<i>Diseases of heart:—</i>								
Aortic insufficiency, . . . . .	4	4	-	-	2	-	-	2
Aortic and mitral insufficiency, . . . . .	8	8	-	-	5	1	2	-
Aortic stenosis, . . . . .	1	1	-	-	-	-	-	1
Aortic stenosis and insufficiency, . . . . .	1	1	-	-	-	-	1	-
Congenital heart disease, . . . . .	1	-	1	-	-	-	1	-
Endocarditis, acute, . . . . .	2	2	-	-	-	-	2	-
Endocarditis, chronic, . . . . .	23	9	14	-	10	5	4	4
Mitral insufficiency, . . . . .	47	44	3	-	22	5	10	10
Mitral stenosis and insufficiency, . . . . .	26	24	2	-	17	3	2	4
Myocardial disease, . . . . .	70	64	6	-	38	7	12	13
<i>Diseases of arteries and veins:—</i>								
Aneurism, aortic, . . . . .	3	3	-	-	-	1	-	2
Arteriosclerosis, . . . . .	631	507	124	-	189	90	129	223
Endarteritis, obliterative, . . . . .	7	6	1	-	-	1	-	6
Hemorrhage, cerebral, . . . . .	27	22	5	-	6	12	7	2
Phlebitis, . . . . .	3	-	3	-	-	-	-	3
Varicose veins, . . . . .	41	36	5	10	15	9	-	7
DISEASES OF RESPIRATORY SYSTEM.								
<i>Diseases of nose, larynx and bronchi:—</i>								
Asthma, bronchial, . . . . .	29	22	7	-	13	4	-	12
Bronchitis, acute, . . . . .	36	23	13	29	-	-	-	7
Bronchitis, chronic, . . . . .	50	46	4	-	30	6	1	13
Laryngitis, acute, . . . . .	16	11	5	16	-	-	-	-
Laryngitis, tubercular, . . . . .	9	7	2	-	5	4	-	-
Oedema, larynx, . . . . .	1	1	-	-	-	-	1	-
Rhinitis, atrophic, . . . . .	3	2	1	-	3	-	-	-
<i>Diseases of lungs:—</i>								
Atelectasis, . . . . .	1	1	-	-	-	-	1	-
Pneumonia, broncho, . . . . .	16	8	8	4	1	3	8	-
Pneumonia, lobar, . . . . .	36	30	6	15	5	-	15	1
Pneumonia, lobar, convalescent, . . . . .	10	9	1	6	2	1	-	1
Tuberculosis, . . . . .	967	802	165	691	305	88	259	246
<i>Diseases of pleura:—</i>								
Empyema, . . . . .	6	6	-	2	3	-	-	1
Pleurisy, acute, . . . . .	20	20	-	16	2	2	-	2
Pleurisy, chronic, . . . . .	12	12	-	-	8	2	-	-
Pleurisy, tubercular, . . . . .	2	1	1	-	-	1	1	-
DISEASES OF DIGESTIVE SYSTEM.								
<i>Diseases of fauces and pharynx:—</i>								
Pharyngitis, chronic, . . . . .	2	2	-	1	-	1	-	-
Tonsillitis, acute, . . . . .	37	21	16	37	-	-	-	-
<i>Diseases of stomach:—</i>								
Gastritis, acute, . . . . .	3	3	-	3	-	-	-	-
Gastritis, alcoholic, . . . . .	18	17	1	17	-	-	-	1
Gastritis, chronic, . . . . .	4	4	-	-	1	-	-	3
<i>Diseases of intestines:—</i>								
Constipation, chronic, . . . . .	18	18	-	-	13	-	-	5
Enteritis, acute, . . . . .	20	20	-	15	4	-	1	-
Enteritis, chronic, . . . . .	4	4	-	-	-	-	1	3
Enteritis, tubercular, . . . . .	1	1	-	-	-	1	-	-
Ileocolitis, . . . . .	9	4	5	2	1	-	6	-

<sup>1</sup> Apparently cured, 3; arrested, 6; apparently arrested, 18; quiescent, 42.

TABLE OF DISEASES. *Medical* — Concluded.

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirmary.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.	
<b>DISEASES OF DIGESTIVE SYSTEM — <i>Con.</i></b>								
<i>Diseases of liver: —</i>								
Cirrhosis, . . . . .	6	5	1	—	1	1	3	1
<b>DISEASES OF URINARY SYSTEM.</b>								
<i>Diseases of kidney: —</i>								
Glycosuria, . . . . .	2	1	1	1	—	1	—	—
Nephritis, acute, . . . . .	1	1	—	—	—	—	1	—
Nephritis, chronic, . . . . .	115	107	8	—	47	17	30	21
Nephroptosis, . . . . .	1	—	1	—	—	1	—	—
Pyelonephritis, . . . . .	2	2	—	—	—	—	2	—
Tuberculosis, . . . . .	1	1	—	—	—	—	—	1
<i>Diseases of bladder: —</i>								
Cystitis, acute, . . . . .	1	—	1	—	1	—	—	—
Cystitis, chronic, . . . . .	15	15	—	—	10	2	2	1
<b>DISEASES OF WOMEN.</b>								
<i>Diseases of uterus: —</i>								
Metrorrhagia, . . . . .	3	—	3	2	—	1	—	—
Retroversion, . . . . .	8	—	8	—	3	5	—	—
<i>Diseases of Pregnancy: —</i>								
Miscarriage, . . . . .	1	—	1	1	—	—	—	—
Eclampsia, . . . . .	1	—	1	1	—	—	—	—
<b>DISEASES OF SKIN.</b>								
Acne, . . . . .	1	—	1	1	—	—	—	—
Dermatitis, chronic, . . . . .	1	1	—	—	—	—	—	1
Dermatitis, venenata, . . . . .	1	1	—	1	—	—	—	—
Eczema, acute, . . . . .	1	—	1	—	—	—	—	1
Eczema, chronic, . . . . .	47	33	14	—	35	1	—	11
Epidermidosis bullosa, . . . . .	1	1	—	—	—	—	—	1
Erysipelas, . . . . .	16	11	5	13	2	—	—	1
Erythema nodosum, . . . . .	1	—	1	1	—	—	—	—
Favus, . . . . .	2	—	2	—	1	—	—	1
Fibroma mollusca, . . . . .	2	2	—	—	—	2	—	—
Furunculosis, . . . . .	13	8	5	13	—	—	—	—
Herpes zoster, . . . . .	2	2	—	2	—	—	—	—
Herpes simplex, . . . . .	1	1	—	1	—	—	—	—
Impetigo contagiosa, . . . . .	21	14	7	16	2	—	—	3
Lupus, . . . . .	2	2	—	—	—	—	—	2
Pediculosis, . . . . .	29	18	11	29	—	—	—	—
Psoriasis, . . . . .	35	26	9	—	34	1	—	—
Scabies, . . . . .	28	14	14	8	—	—	—	20
Seborrhoea, . . . . .	2	2	—	2	—	—	—	—
Tinea circinata, . . . . .	10	8	2	10	—	—	—	—
Tinea tonsurans, . . . . .	2	2	—	2	—	—	—	—
Wen, . . . . .	3	3	—	3	—	—	—	—
<b>POISONING.</b>								
Alcohol, . . . . .	260	229	31	—	240	—	—	20
Delirium tremens, . . . . .	7	6	1	7	—	—	—	—
Lead, . . . . .	2	2	—	—	2	—	—	—
Morphine, . . . . .	66	58	8	13	22	9	—	22
<b>MEDICAL, UNCLASSIFIED.</b>								
Accidental suffocation, . . . . .	2	2	—	—	—	—	2	—
Insolation, . . . . .	1	1	—	1	—	—	—	—
Living births, . . . . .	126	68	58	126	—	—	—	—
No disease, . . . . .	395	239	156	308	—	—	—	87
Parturition, . . . . .	136	—	136	136	—	—	—	—
Parturition, convalescent, . . . . .	27	—	27	27	—	—	—	—
Pregnancy, . . . . .	197	—	197	136	—	36	—	25
Premature birth, . . . . .	8	6	2	—	—	—	8	—
Suicide, . . . . .	1	1	—	—	—	—	1	—
Total medical, . . . . .	4,971	3,394	1,577	1,415	1,354	546	576	1,080

TABLE OF DISEASES. *Surgical.*

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirmary.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.	
LOCAL DISEASES.								
<i>Diseases of digestive system:—</i>								
Abscess, ischio-rectal, . . . . .	8	8	—	3	5	—	—	—
Adhesions, abdominal, . . . . .	14	3	11	6	5	1	—	2
Appendicitis, acute, . . . . .	4	3	1	3	—	—	1	—
Appendicitis, chronic, . . . . .	12	3	9	9	1	2	—	—
Cancer, intestine, . . . . .	5	4	1	—	—	—	5	—
Cancer, rectum, . . . . .	1	1	—	—	—	—	1	—
Cancer, stomach, . . . . .	15	14	1	—	—	2	10	3
Cancer, tongue, . . . . .	4	4	—	—	—	—	2	2
Catarrhal jaundice, . . . . .	1	1	—	1	—	—	—	—
Cholecystitis, . . . . .	3	2	1	1	—	—	—	2
Fistula, anal, . . . . .	15	14	1	5	5	—	—	5
Fistula, faecal, . . . . .	1	1	—	—	1	—	—	—
Hemorrhoids, . . . . .	18	13	5	8	6	3	—	1
Hernia, femoral, . . . . .	3	3	—	1	1	—	—	1
Hernia, inguinal, . . . . .	81	79	2	33	19	20	—	9
Hernia, umbilical, . . . . .	2	2	—	—	—	2	—	—
Hernia, ventral, . . . . .	6	5	1	5	—	1	—	—
Laparotomy, convalescent, . . . . .	11	9	2	8	1	—	—	2
Peritonitis, general, . . . . .	1	—	1	—	—	—	1	—
Peritonitis, tubercular, . . . . .	15	9	6	—	7	2	4	2
Prolapse, rectum, . . . . .	6	4	2	3	1	1	—	1
Ulcer, tongue, . . . . .	1	1	—	—	1	—	—	—
Ulcer, gastric, . . . . .	3	2	1	1	1	—	—	1
<i>Diseases of absorbent system:—</i>								
Adenitis, inguinal, . . . . .	6	5	1	6	—	—	—	—
Elephantiasis, . . . . .	1	1	—	—	—	1	—	—
Tuberculosis, glands, . . . . .	12	11	1	4	4	2	—	2
<i>Diseases and injuries of skin:—</i>								
Burns, . . . . .	8	7	1	8	—	—	—	—
Frost bites, . . . . .	22	17	5	14	5	3	—	—
<i>Diseases of male and female genito-urinary organs:—</i>								
Abscess, periurethral, . . . . .	2	2	—	2	—	—	—	—
Abscess, prostate, . . . . .	1	1	—	1	—	—	—	—
Abscess, perinephritic, . . . . .	1	1	—	—	—	1	—	—
Abscess, vulvo-vaginal, . . . . .	1	—	1	1	—	—	—	—
Balanitis, . . . . .	1	1	—	1	—	—	—	—
Cancer, penis, . . . . .	1	1	—	—	—	—	1	—
Cancer, prostate, . . . . .	1	1	—	—	—	—	—	1
Cancer, uterus, . . . . .	3	—	3	—	—	1	2	—
Chancroids, . . . . .	9	9	—	7	1	1	—	—
Cyst, ovarian, . . . . .	3	—	3	2	1	—	—	—
Cystocele, . . . . .	1	—	1	1	—	—	—	—
Endometritis, . . . . .	18	—	18	6	12	—	—	—
Enuresis, . . . . .	2	2	—	1	1	—	—	—
Fistula, perineal, . . . . .	2	1	1	1	—	1	—	—
Fistula, urethral, . . . . .	1	1	—	—	—	1	—	—
Fibroid, uterus, . . . . .	5	—	5	3	—	—	—	1
Epididymitis, gonorrhoeal, . . . . .	18	18	—	13	3	—	—	2
Epididymitis, tubercular, . . . . .	1	1	—	—	—	—	—	1
Gangrene, scrotum, . . . . .	2	2	—	1	—	—	1	—
Gonorrhoea, . . . . .	133	65	68	45	38	13	—	37
Hydrocele, . . . . .	12	12	—	6	2	2	—	2
Hypertrophied prostate, . . . . .	12	12	—	—	4	6	1	1
Lacerated perineum, . . . . .	12	—	12	7	1	4	—	—
Orchitis, . . . . .	3	3	—	3	—	—	—	—
Oöphoritis, . . . . .	1	—	1	1	—	—	—	—
Nephrectomy, convalescent, . . . . .	2	2	—	—	2	—	—	—
Prostatectomy, convalescent, . . . . .	2	2	—	1	1	—	—	—
Phimosis, . . . . .	26	26	—	15	—	8	—	3
Salpingitis, . . . . .	18	—	18	13	3	2	—	—
Stricture, urethra, . . . . .	5	5	—	3	1	—	—	1
Tuberculosis, prostate, . . . . .	1	1	—	—	—	1	—	—

TABLE OF DISEASES. *Surgical* — Continued.

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirmary.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.	
LOCAL DISEASES — <i>Con.</i>								
<i>Diseases of male and female genito-urinary organs — Con.</i>								
Tumor, vulva, . . . . .	2	—	2	—	1	1	—	—
Vaginitis, . . . . .	82	—	82	31	33	8	—	10
Varicocele, . . . . .	4	4	—	3	—	1	—	—
Venereal warts, . . . . .	3	—	3	3	—	—	—	—
<i>Diseases of breast: —</i>								
Cancer, . . . . .	5	1	4	—	—	2	3	—
Mastitis, . . . . .	3	—	3	1	1	1	—	—
<i>Diseases of eye and ear: —</i>								
Atrophy, optic nerve, . . . . .	6	5	1	—	—	6	—	—
Blepharitis, chronic, . . . . .	1	1	—	—	1	—	—	—
Cataract, . . . . .	14	9	5	—	6	3	—	5
Chalazion, . . . . .	29	10	19	29	—	—	—	—
Cerumen, impacted, . . . . .	42	30	12	42	—	—	—	—
Choroidoretinitis, . . . . .	4	3	1	—	—	3	—	1
Conjunctivitis, acute, . . . . .	35	24	11	31	—	4	—	—
Conjunctivitis, chronic, . . . . .	4	2	2	—	3	1	—	—
Dacrocystitis, . . . . .	4	3	1	4	—	—	—	—
Dislocation, lens, . . . . .	2	2	—	—	—	2	—	—
Foreign body, eye, . . . . .	6	6	—	6	—	—	—	—
Hypopion, . . . . .	3	3	—	—	3	—	—	—
Hordeolum, . . . . .	16	12	4	16	—	—	—	—
Episcleritis, . . . . .	4	4	—	—	4	—	—	—
Glaucoma, . . . . .	2	1	1	—	2	—	—	—
Injury, eye, . . . . .	3	3	—	—	3	—	—	—
Iritis, chronic, . . . . .	15	13	2	—	15	—	—	—
Keratitis, phlyctenular, . . . . .	1	—	1	1	—	—	—	—
Keratitis, interstitial, . . . . .	6	4	2	3	1	—	—	2
Labrynthitis, . . . . .	2	2	—	—	2	—	—	—
Leucoma, . . . . .	1	1	—	—	—	1	—	—
Mastoiditis, acute, . . . . .	7	4	3	7	—	—	—	—
Mastoiditis, chronic, . . . . .	4	2	2	—	4	—	—	—
Ophthalmia neonatorum, . . . . .	9	5	4	7	2	—	—	—
Optic neuritis, . . . . .	5	5	—	—	3	2	—	—
Otitis media, acute, . . . . .	12	7	5	12	—	—	—	—
Otitis media, chronic, . . . . .	30	16	14	—	24	6	—	—
Opacity, vitreous, . . . . .	5	5	—	—	—	5	—	—
Pannus, . . . . .	1	1	—	—	—	1	—	—
Panophthalmitis, . . . . .	1	1	—	1	—	—	—	—
Polypi, ear, . . . . .	1	—	1	1	—	—	—	—
Retinitis, chronic, . . . . .	12	9	3	—	11	1	—	—
Strabismus, internal, . . . . .	12	7	5	3	9	—	—	—
Tumor, ear, . . . . .	1	1	—	—	1	—	—	—
Ulcer, cornea, . . . . .	2	2	—	—	1	—	—	1
Astigmatism, . . . . .	74	21	53	—	74	—	—	—
Hyperopia, . . . . .	48	26	22	—	48	—	—	—
Myopia, . . . . .	10	6	4	—	10	—	—	—
Presbyopia, . . . . .	352	294	58	—	352	—	—	—
<i>Diseases of head, neck and face: —</i>								
Abscess, alveolar, . . . . .	1	—	1	1	—	—	—	—
Abscess, face, . . . . .	8	3	5	8	—	—	—	—
Abscess, neck, . . . . .	4	3	1	3	—	—	—	1
Abscess, peritonsillar, . . . . .	2	2	—	2	—	—	—	—
Cancer, face, . . . . .	9	9	—	—	1	4	2	2
Cancer, jaw, . . . . .	4	4	—	—	—	—	2	2
Cancer, lip, . . . . .	3	3	—	1	—	—	2	—
Cancer, larynx, . . . . .	1	1	—	—	—	—	1	—
Cancer, neck, . . . . .	2	1	1	—	2	—	—	—
Cancer, nose, . . . . .	2	2	—	—	—	2	—	—
Cancer, tonsil, . . . . .	6	5	1	5	—	—	—	1
Carbuncle, neck, . . . . .	1	—	1	—	—	1	—	—
Cleft palate, . . . . .	—	—	—	—	—	—	—	—
Deviated sepum, . . . . .	6	5	1	6	—	—	—	—

TABLE OF DISEASES. *Surgical* — Continued.

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirmary.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.	
LOCAL DISEASES — Con.								
Diseases of head, neck and face — Con.								
Hypertrophied tonsils, . . . . .	22	12	10	14	1	5	—	2
Hypertrophied turbinate, . . . . .	1	—	1	1	—	—	—	—
Nasal polypi, . . . . .	1	1	—	1	—	—	—	—
Pyorrhœa alveolaris, . . . . .	4	3	1	2	1	1	—	—
Sarcoma, jaw, . . . . .	2	1	1	—	—	1	1	—
Sinusitis, . . . . .	6	4	2	4	2	—	—	—
Ulcer, face, . . . . .	1	1	—	1	—	—	—	—
Ulcer, nose, . . . . .	1	1	—	—	1	—	—	—
Diseases of Spine: —								
Scoliosis, . . . . .	2	2	—	—	1	1	—	—
Tuberculosis, . . . . .	29	21	8	—	5	3	4	17
Diseases of bones and joints: —								
Ankylosis, hip, . . . . .	1	1	—	—	—	1	—	—
Hallux valgus, . . . . .	8	8	—	4	1	3	—	—
Hammer toe, . . . . .	1	1	—	—	—	1	—	—
Necrosis, tarsus, . . . . .	1	1	—	1	—	—	—	—
Osteomyelitis, elbow, . . . . .	1	1	—	—	—	—	1	—
Osteomyelitis, femur, . . . . .	5	5	—	—	2	3	—	—
Osteomyelitis, finger, . . . . .	4	3	1	3	—	1	—	—
Osteomyelitis, humerus, . . . . .	1	1	—	—	—	1	—	—
Osteomyelitis, tibia, . . . . .	6	5	1	3	—	1	—	2
Periostitis, carpus, . . . . .	1	1	—	—	—	—	—	—
Periostitis, femur, . . . . .	1	1	—	—	—	—	—	1
Periostitis, tibia, . . . . .	2	2	—	2	—	—	—	—
Pes planus, . . . . .	14	12	2	—	5	9	—	—
Synovitis, knee, . . . . .	9	8	1	8	—	—	—	1
Tuberculosis, elbow, . . . . .	1	1	—	—	—	—	—	1
Tuberculosis, femur, . . . . .	3	1	2	—	1	—	—	2
Tuberculosis, foot, . . . . .	3	3	—	—	2	—	—	1
Tuberculosis, hand, . . . . .	1	1	—	—	—	—	—	1
Tuberculosis, hip, . . . . .	10	7	3	—	4	1	—	5
Tuberculosis, knee, . . . . .	8	6	2	—	4	1	1	2
Tuberculosis, multiple bone, . . . . .	5	5	—	—	3	1	1	—
Tuberculosis, rib, . . . . .	5	3	2	—	3	1	—	1
Tuberculosis, wrist, . . . . .	1	1	—	—	—	—	—	1
Tenosynovitis, . . . . .	1	1	—	1	—	—	—	—
Diseases of trunk and extremities: —								
Abscess, axilla, . . . . .	1	1	—	1	—	—	—	—
Abscess, shoulder, . . . . .	2	2	—	2	—	—	—	—
Abscess, thigh, . . . . .	2	2	—	2	—	—	—	—
Bursitis, subdeltoid, . . . . .	2	2	—	2	—	—	—	—
Callouses, feet, . . . . .	11	10	1	10	—	—	—	1
Carbuncle, hand, . . . . .	1	1	—	1	—	—	—	—
Cancer, groin, . . . . .	1	—	1	—	—	—	1	—
Dactylitis, tubercular, . . . . .	2	1	1	—	—	—	—	2
Epithelioma, back, . . . . .	1	1	—	—	—	—	—	1
Gangrene, foot, . . . . .	2	2	—	—	—	2	—	—
Sarcoma, groin, . . . . .	1	1	—	—	—	—	1	—
Sprain, back, . . . . .	1	1	—	1	—	—	—	—
Ulcer, chronic, . . . . .	99	87	12	43	23	5	—	28
General injuries: —								
Abrasions, . . . . .	15	13	2	15	—	—	—	—
Contusions, . . . . .	71	65	6	59	—	—	—	12
Injuries of head, chest and back: —								
Accident, fall, . . . . .	1	—	1	—	—	—	1	—
Concussion, brain, . . . . .	1	1	—	1	—	—	—	—
Fracture, jaw, . . . . .	6	5	1	2	1	2	—	1
Fracture, nose, . . . . .	2	2	—	2	—	—	—	—
Fracture, ribs, . . . . .	13	13	—	12	—	—	—	1
Fracture, spine, . . . . .	7	5	2	—	3	1	—	3
Injury, back, . . . . .	1	1	—	—	—	—	—	1



TABLE OF DISEASES. *Surgical* — Concluded.

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirmary.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.	
LOCAL DISEASES — Con.								
<i>Injuries of head, chest and back — Con.</i>								
Scalp wound, . . . . .	5	5	—	5	—	—	—	—
Septic wound, face, . . . . .	7	5	2	6	1	—	—	—
<i>Injuries of upper extremities: —</i>								
Amputation, finger, convalescent, . . . . .	2	2	—	2	—	—	—	—
Dislocation, finger, . . . . .	1	1	—	1	—	—	—	—
Dislocation, shoulder, . . . . .	1	1	—	1	—	—	—	—
Dislocation, shoulder, convalescent, . . . . .	4	4	—	2	1	—	—	1
Fracture, clavicle, . . . . .	11	11	—	10	—	—	—	1
Fracture, Colles, . . . . .	5	2	3	4	—	—	—	1
Fracture, Colles, convalescent, . . . . .	2	1	1	2	—	—	—	—
Fracture, elbow, . . . . .	1	1	—	—	—	—	—	1
Fracture, humerus, . . . . .	12	11	1	9	—	2	—	1
Fracture, humerus, convalescent, . . . . .	5	5	—	4	1	—	—	—
Fracture, metacarpus, . . . . .	2	2	—	1	—	—	—	1
Fracture, radius, . . . . .	3	3	—	3	—	—	—	—
Fracture, radius, convalescent, . . . . .	1	1	—	1	—	—	—	—
Fracture, scapula, . . . . .	1	1	—	1	—	—	—	—
Fracture, ulna, . . . . .	2	2	—	2	—	—	—	—
Septic arm, . . . . .	2	2	—	1	—	—	—	1
Septic finger, . . . . .	6	6	—	6	—	—	—	—
Septic hand, . . . . .	5	5	—	4	—	—	—	1
Sprain, elbow, . . . . .	2	2	—	—	1	—	—	1
Wound, finger, . . . . .	1	1	—	1	—	—	—	—
Wound, hand, . . . . .	1	1	—	—	1	—	—	—
Wound, shoulder, . . . . .	2	2	—	2	—	—	—	—
<i>Injuries of lower extremities: —</i>								
Amputation, leg, convalescent, . . . . .	3	3	—	2	—	1	—	—
Amputation, toes, . . . . .	1	1	—	1	—	—	—	—
Fracture, femur, . . . . .	12	4	8	4	2	—	—	6
Fracture, femur, convalescent, . . . . .	11	7	4	7	—	2	—	2
Fracture, fibula, . . . . .	13	13	—	12	—	—	—	1
Dislocation, ankle, . . . . .	2	2	—	2	—	—	—	—
Dislocation, semilunar cartilage, . . . . .	1	1	—	—	1	—	—	—
Fracture, fibula, convalescent, . . . . .	3	3	—	3	—	—	—	—
Fracture, metatarsus, . . . . .	1	1	—	1	—	—	—	—
Fracture, os calcis, . . . . .	1	1	—	1	—	—	—	—
Fracture, patella, . . . . .	1	1	—	—	—	—	—	1
Fracture, patella, convalescent, . . . . .	1	1	—	1	—	—	—	—
Fracture, Pott's, . . . . .	4	4	—	4	—	—	—	—
Fracture, Pott's, convalescent, . . . . .	14	10	4	13	1	—	—	—
Fracture, tibia, . . . . .	1	1	—	1	—	—	—	—
Fracture, tibia, convalescent, . . . . .	4	4	—	3	—	—	—	1
Fracture, tibia and fibula, . . . . .	8	7	1	4	—	2	—	2
Hematoma, leg, . . . . .	2	2	—	2	—	—	—	—
Injury, ankle, . . . . .	1	—	1	—	—	—	—	1
Injury, hip, . . . . .	1	—	1	—	—	—	—	1
Myositis ossificans, . . . . .	1	1	—	—	1	—	—	—
Septic foot, . . . . .	5	3	2	5	—	—	—	—
Septic knee, . . . . .	1	1	—	1	—	—	—	—
Septic leg, . . . . .	5	5	—	5	—	—	—	—
Sprain, ankle, . . . . .	10	9	1	9	1	—	—	—
Sprain, knee, . . . . .	2	2	—	2	—	—	—	—
Wound, foot, . . . . .	4	4	—	4	—	—	—	—
Wound, leg, . . . . .	2	2	—	2	—	—	—	—
Total surgical, . . . . .	2,118	1,500	618	836	824	189	51	218
Total medical, . . . . .	4,972	3,395	1,577	1,415	1,354	546	576	1,081
Total medical and surgical, . . . . .	7,090	4,895	2,195	2,251	2,178	735	627	1,299



## SURGICAL OPERATIONS.

OPERATIONS.	Totals.	Well.	Relieved.	Not relieved.	Died.
<b>OPERATIONS ON HEAD, NECK AND FACE.</b>					
Advancement, muscle of eye, . . . . .	7	5	2	-	-
Capsulotomy, . . . . .	1	1	-	-	-
Curettage, frontal sinus, . . . . .	2	-	2	-	-
Curettage, lachrymal sac, . . . . .	4	4	-	-	-
Curettage, maxillary sinus, . . . . .	1	-	1	-	-
Drainage, frontal sinus, . . . . .	4	4	-	-	-
Drainage, maxillary sinus, . . . . .	3	2	1	-	-
Enucleation, eyeball, . . . . .	4	4	-	-	-
Excision, cancer of lip, . . . . .	1	1	-	-	-
Excision, carbuncle, . . . . .	2	2	-	-	-
Excision, cervical gland, . . . . .	3	3	-	-	-
Excision, chalazion, . . . . .	29	29	-	-	-
Excision, lachrymal sac, . . . . .	1	1	-	-	-
Excision, lipoma, . . . . .	1	1	-	-	-
Excision, wart, . . . . .	1	1	-	-	-
Incision and drainage, abscess of face, . . . . .	1	1	-	-	-
Incision and drainage, abscess of neck, . . . . .	11	11	-	-	-
Incision and drainage, furuncle of auditory canal, . . . . .	12	12	-	-	-
Iridectomy, . . . . .	3	3	-	-	-
Mastoidectomy, radical, . . . . .	6	2	4	-	-
Mastoidectomy, simple, . . . . .	5	5	-	-	-
Paracentesis, membrani tympani, . . . . .	24	24	-	-	-
Pterygium, . . . . .	2	2	-	-	-
Removal, cataract, . . . . .	5	3	2	-	-
Suture, eyeball, . . . . .	1	1	-	-	-
Tenotomy, muscle of eye, . . . . .	7	5	2	-	-
Tracheotomy, . . . . .	4	2	-	2	-
Trephine, eye, . . . . .	1	-	1	-	-
<b>OPERATIONS ON MOUTH, NOSE AND THROAT.</b>					
Drainage, sphenoidal sinus, . . . . .	2	2	-	-	-
Laryngoscopy, . . . . .	1	-	-	1	-
Esophagoscopy, . . . . .	1	-	-	-	-
Removal, tonsils and adenoids, . . . . .	31	31	-	-	-
Resection, nasal polypi, . . . . .	3	3	-	-	-
Submucous resection, septum, . . . . .	6	6	-	-	-
<b>OPERATIONS ON CHEST WALL.</b>					
Excision, ribs, . . . . .	1	-	1	-	-
Incision and drainage, abscess of back, . . . . .	6	6	-	-	-
Incision and drainage, abscess of breast, . . . . .	1	1	-	-	-
Paracentesis, thoracic, . . . . .	14	-	14	-	-
Resection, ribs, . . . . .	2	1	1	-	-
<b>ABDOMINAL OPERATIONS.</b>					
Appendectomy, . . . . .	20	19	-	1	-
Herniotomy, inguinal, Ferguson, . . . . .	28	26	2	-	-
Herniotomy, inguinal, Ferguson, cocaine, . . . . .	11	10	-	1	-
Herniotomy, ventral, . . . . .	2	2	-	-	-
Cholecystostomy, . . . . .	2	1	1	-	-
Laparotomy, exploratory, . . . . .	2	1	-	1	-
Paracentesis, abdominalis, . . . . .	12	-	12	-	-
Removal, sponge from abdomen, . . . . .	1	1	-	-	-
Resection, omentum, . . . . .	3	3	-	-	-
Separation, adhesions, . . . . .	7	7	-	-	-
<b>OPERATIONS ON RECTUM AND ANUS.</b>					
Dilatation, rectum, . . . . .	2	2	-	-	-
Excision, fistula-in-ano, . . . . .	6	4	1	1	-
Excision, specimen from rectum, . . . . .	1	-	-	1	-
Hæmorrhoids, clamp and cautery, . . . . .	3	3	-	-	-
Hæmorrhoids, clamp and ligature, . . . . .	2	2	-	-	-
Incision and drainage, ischio-rectal abscess, . . . . .	2	2	-	-	-
<b>OPERATIONS ON GENITO-URINARY SYSTEM.</b>					
Adenectomy, femoral, . . . . .	4	4	-	-	-
Adenectomy, inguinal, . . . . .	9	8	1	-	-
Cauterization, chancroids, . . . . .	8	8	-	-	-
Cauterization, venereal warts, . . . . .	2	2	-	-	-

SURGICAL OPERATIONS — *Concluded.*

OPERATIONS.	Totals.	Well.	Relieved.	Not relieved.	Died.
<b>OPERATIONS ON GENITO-URINARY SYSTEM — <i>Con.</i></b>					
Circumcision, . . . . .	24	23	—	1	—
Cystotomy, suprapubic, . . . . .	1	—	—	—	—
Divulsion, stricture, . . . . .	22	—	22	—	—
Dorsal incision, prepuce, . . . . .	3	3	—	—	—
Drainage, hydrocele sac, . . . . .	1	1	—	—	—
Epididymotomy, . . . . .	5	5	—	—	—
Eversion, hydrocele sac, . . . . .	7	7	—	—	—
Excision, varicocele, . . . . .	1	1	—	—	—
Excision, venereal warts, . . . . .	2	2	—	—	—
External urethrotomy, . . . . .	3	2	1	—	—
Incision and drainage, periurethral abscess, . . . . .	4	3	1	—	—
<b>GYNÆCOLOGICAL OPERATIONS.</b>					
Amputation, cervix, . . . . .	2	2	—	—	—
Amputation, clitoris, . . . . .	1	—	1	—	—
Cæsarean operation, . . . . .	1	1	—	—	—
Cauterization, cervix, . . . . .	1	1	—	—	—
Curettage, ulcer of vulva, . . . . .	1	—	1	—	—
Dilatation and curettage, uterus, . . . . .	17	17	—	—	—
Excision, vulvo-vaginal glands, . . . . .	2	2	—	—	—
Hystorectomy, supravaginal, . . . . .	6	6	—	—	—
Incision, vulvo-vaginal abscess, . . . . .	1	1	—	—	—
Perineorrhaphy, . . . . .	4	4	—	—	—
Plastic operation, vulva, . . . . .	3	—	3	—	—
Oöphorotomy, . . . . .	3	3	—	—	—
Salpingectomy, . . . . .	5	5	—	—	—
Salpingo-oöphorectomy, double, . . . . .	4	4	—	—	—
Suspension uterus, round ligament, . . . . .	1	1	—	—	—
Trachelorrhaphy, . . . . .	3	3	—	—	—
Ventral suspension, . . . . .	1	1	—	—	—
<b>OPERATIONS ON EXTREMITIES.</b>					
Amputation, finger, . . . . .	5	5	—	—	—
Amputation, foot, . . . . .	2	1	1	—	—
Amputation, thigh, . . . . .	1	1	—	—	—
Amputation, toe, . . . . .	8	8	—	—	—
Arthroplasty, hip, . . . . .	1	1	—	—	—
Aspiration and injection, knee, . . . . .	3	—	3	—	—
Excision, cyst, . . . . .	3	3	—	—	—
Excision, mole, . . . . .	1	1	—	—	—
Excision, tumor of leg, . . . . .	1	1	—	—	—
Excision, varicose veins, . . . . .	2	2	—	—	—
Excision, wart, . . . . .	1	1	—	—	—
Incision, bone abscess, . . . . .	2	2	—	—	—
Incision and drainage, arm, . . . . .	8	7	1	—	—
Incision and drainage, elbow, . . . . .	5	5	—	—	—
Incision and drainage, finger, . . . . .	7	7	—	—	—
Incision and drainage, foot, . . . . .	8	5	3	—	—
Incision and drainage, hand, . . . . .	4	4	—	—	—
Incision and drainage, knee, . . . . .	3	2	—	1	—
Incision and drainage, leg, . . . . .	5	4	—	1	—
Incision and drainage, shoulder, . . . . .	5	5	—	—	—
Incision and drainage, thigh, . . . . .	3	2	1	—	—
Incision and drainage, toe, . . . . .	4	4	—	—	—
Ligation, palmar arch, . . . . .	1	1	—	—	—
Plastic operation, hand, . . . . .	1	—	1	—	—
Plastic operation, stump, . . . . .	1	1	—	—	—
Removal bullet, hand, . . . . .	1	1	—	—	—
Sequestrectomy, femur, . . . . .	1	—	1	—	—
Sequestrectomy, foot, . . . . .	1	1	—	—	—
Skin graft, . . . . .	4	3	1	—	—
Tenorrhaphy, . . . . .	1	1	—	—	—
<b>DISLOCATIONS AND FRACTURES.</b>					
Fracture, Colles, . . . . .	2	2	—	—	—
Fracture, femur, . . . . .	6	2	2	2	—
Fracture, Pott's, . . . . .	2	1	1	—	—
Fracture, tibia and fibula, . . . . .	3	2	1	—	—
Wiring, fracture tibia, . . . . .	1	—	1	—	—
Totals, . . . . .	577	468	95	14	—



TABLE OF DEATHS — *Concluded.*

CAUSES OF DEATH.	TABLE BY MONTHS.												TABLE BY AGES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	1916.												Totals.	Males.	Females.	Under 1 year.	1 to 5.	5 to 10.	10 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	Over 100.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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	December.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Cardiac, myocardial disease,	4				1	3	1		1		1	12	10	2					1	1	1	7	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																







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# STATISTICAL TABLES.

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[FORM PRESCRIBED BY COMMISSION ON MENTAL DISEASES.]

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# STATISTICAL TABLES.

## 1. — General Statistics of the Year.

	INSANE.			TEMPORARY CARE.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1915,	200	509	709	-	-	-	200	509	709
Admitted within the year,	54	112	166	-	-	-	54	113	167
Viz.: by commitment,	21	16	37	-	-	-	21	16	37
by transfer,	27	84	111	-	-	-	27	85	112
from visit,	1	6	7	-	-	-	1	6	7
from visit nominally,	1	6	7	-	-	-	1	6	7
from escape,	-	-	-	-	-	-	-	-	-
from escape nominally,	4	-	4	-	-	-	4	-	4
Whole number of cases within the year,	254	621	875	-	-	-	254	622	876
Dismissed within the year,	51	107	158	-	-	-	51	108	159
Viz.: discharged,	9	23	32	-	-	-	9	24	33
as recovered at time of leaving hospital,	-	3	3	-	-	-	-	3	3
as capable of self-support,	-	-	-	-	-	-	-	-	-
as improved,	2	6	8	-	-	-	2	6	8
as not improved,	7	14	21	-	-	-	7	15	22
died,	26	65	91	-	-	-	26	65	91
transferred,	6	10	16	-	-	-	6	10	16
escaped,	4	4	8	-	-	-	4	4	8
on visit,	6	9	15	-	-	-	6	9	15
Patients remaining Sept. 30, 1916,	203	514	717	-	-	-	203	514	717
Viz.: as State patients,	203	509	712	-	-	-	203	509	712
reimbursing patients,	-	5	5	-	-	-	-	5	5
Number of different persons within the year,	249	615	864	-	-	-	249	616	865
Number of different persons admitted,	49	108	155	-	-	-	49	107	156
Viz.: by commitment,	21	16	37	-	-	-	21	16	37
by transfer,	27	84	111	-	-	-	27	85	112
from visit and escape,	1	6	7	-	-	-	1	6	7
Number of different persons dismissed,	46	101	147	-	-	-	46	102	148
Persons recovered,	-	3	3	-	-	-	-	3	3
Number of different persons discharged as capable of self-support,	-	-	-	-	-	-	-	-	-
Daily average of patients,	203.81	499.35	703.16	-	-	-	203.81	499.68	703.49
Viz.: State patients,	203.81	495.63	699.44	-	-	-	203.81	495.96	699.77
reimbursing patients,	-	3.72	3.72	-	-	-	-	3.72	3.72

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF ADMISSIONS.	CASES ADMITTED.		
	Males.	Females.	Totals.
First to this hospital, . . . . .	21	16	37
Second to this hospital, . . . . .	-	-	-
Third to this hospital, . . . . .	-	-	-
Total cases, . . . . .	21	16	37
Total persons, . . . . .	21	16	37
Never before in any hospital for the insane, . .	16	15	31

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
United States: —									
Massachusetts, . . . . .	3	2	2	2	-	1	5	2	3
Other New England States, . . . . .	-	-	-	2	1	2	2	1	2
Other States, . . . . .	1	-	-	3	2	2	4	2	2
Total native, . . . . .	4	2	2	7	3	5	11	5	7
Other countries: —									
Austria, . . . . .	1	1	1	1	1	1	2	2	2
Canada, . . . . .	1	1	1	2	3	2	3	4	3
England, . . . . .	2	3	2	-	-	-	2	3	2
Germany, . . . . .	1	1	1	-	-	-	1	1	1
Greece, . . . . .	-	-	-	3	2	3	3	2	3
Holland, . . . . .	1	1	1	-	-	-	1	1	1
Ireland, . . . . .	4	4	5	-	1	1	4	5	6
Nova Scotia, . . . . .	-	-	-	1	1	1	1	1	1
Portugal, . . . . .	-	-	-	-	1	-	-	1	-
Prince Edward Island, . . . . .	-	-	-	1	1	1	1	1	1
Russia, . . . . .	1	1	1	-	-	-	1	1	1
Total foreign, . . . . .	11	12	12	8	10	9	19	22	21
Unknown, . . . . .	1	2	2	-	2	1	1	4	3
Totals, . . . . .	16	16	16	15	15	15	31	31	31

4. — *Residence of Insane Persons admitted by Commitment.*

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Beverly, . . . . .	-	1	1	-	-	-	-	1	1
Boston, . . . . .	5	8	13	1	-	1	6	8	14
Brockton, . . . . .	-	-	-	1	-	1	1	-	1
Essex, . . . . .	1	-	1	-	-	-	1	-	1
Fitchburg, . . . . .	1	-	1	-	-	-	1	-	1
Lawrence, . . . . .	1	-	1	-	-	-	1	-	1
Leominster, . . . . .	1	-	1	-	-	-	1	-	1
Lowell, . . . . .	4	4	8	1	-	1	5	4	9
Lynn, . . . . .	-	1	1	-	-	-	-	1	1
Springfield, . . . . .	-	-	-	1	-	1	1	-	1
Tewksbury, . . . . .	1	1	2	1	-	1	2	1	3
Turners Falls, . . . . .	1	-	1	-	-	-	1	-	1
Worcester, . . . . .	1	-	1	-	1	1	1	1	2
Totals, . . . . .	16	15	31	5	1	6	21	16	37
Cities and towns (10,000 or over), . .	13	14	27	4	1	5	17	15	32
Country districts (under 10,000), . .	3	1	4	1	-	1	4	1	5
Totals, . . . . .	16	15	31	5	1	6	21	16	37

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried, . . . . .	5	9	14
Married, . . . . .	7	2	9
Widowed, . . . . .	2	3	5
Divorced, . . . . .	1	1	2
Unknown, . . . . .	1	-	1
Totals, . . . . .	16	15	31

6. — *Occupation of Insane Persons first admitted to Any Hospital.*

MALES.	
Clerk, . . . . . 1	Machinist, . . . . . 1
Cook, . . . . . 1	Mill hands, . . . . . 2
Farmer, . . . . . 1	Teamster, . . . . . 1
Fisherman, . . . . . 1	Waiters, . . . . . 2
Laborers, . . . . . 4	Unknown, . . . . . 2
	Totals, . . . . . 16

FEMALES.	
Cook, . . . . . 1	Mill hands, . . . . . 4
Dressmakers, . . . . . 2	School, . . . . . 1
Housework, . . . . . 7	Total, . . . . . 15



7. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	FIRST ADMITTED TO ANY HOSPITAL.			DIED.								
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	1	1	2	—	—	—	—	8	—	—	—	—
15 years and less, . . . . .	—	—	—	—	—	—	—	1	—	—	—	—
From 15 to 20 years, . . . . .	2	2	4	1	3	4	—	1	—	—	—	—
20 to 25 years, . . . . .	—	2	2	1	1	2	—	1	—	—	—	—
25 to 30 years, . . . . .	—	3	3	1	2	3	—	5	—	—	1	1
30 to 40 years, . . . . .	7	1	8	8	3	11	—	15	—	—	6	6
40 to 50 years, . . . . .	1	1	2	1	1	2	—	11	—	—	8	16
50 to 60 years, . . . . .	2	2	4	2	2	4	—	8	—	—	7	10
60 to 70 years, . . . . .	2	3	5	2	3	5	—	6	—	—	6	15
70 to 80 years, . . . . .	—	—	—	—	—	—	—	8	—	—	2	22
Over 80 years, . . . . .	—	—	—	—	—	—	—	2	—	—	14	20
Totals, . . . . .	15	15	30	16	15	31	—	65	—	—	65	91
Unknown, . . . . .	1	—	1	—	—	—	—	—	—	—	—	—
Not insane, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Total of persons, . . . . .	16	15	31	16	15	31	—	65	—	—	65	91
Mean known ages (in years), . . . . .	34.68	35.73	35.2	39.31	37.73	38.52	—	47.51	—	—	53.15	54.09

8. — Probable Cause of Mental Diseases in Persons first admitted to Any Hospital.

EXCITING CAUSES.	ADMITTED.			PREDISPOSING CAUSES.					
	HEREDITARY TENDENCY.			NEUROTIC TENDENCY.			ALCOHOLIC INTemperance.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Physical causes:—									
Alcoholism, . . . . .	3	—	3	—	—	—	3	—	3
Epilepsy, . . . . .	—	1	1	—	1	1	—	—	—
Senility, . . . . .	2	4	6	—	4	4	—	—	—
Syphilis, . . . . .	4	—	4	—	—	—	—	—	—
Trauma, . . . . .	1	—	1	—	—	—	—	—	—
Mental causes:—									
Congenital, . . . . .	1	1	2	1	1	2	—	—	—
Worry, . . . . .	—	1	1	—	—	—	—	—	—
Totals, . . . . .	11	7	18	1	1	2	3	—	3
Unknown, . . . . .	5	8	13	—	—	—	—	—	—
Totals, . . . . .	16	15	31	1	1	2	3	—	3

9. — *Probable Duration of Mental Diseases before Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital, . . . . .	1	1	2
Under 1 month, . . . . .	—	—	—
From 1 to 3 months, . . . . .	—	1	1
3 to 6 months, . . . . .	6	4	10
6 to 12 months, . . . . .	3	5	8
1 to 2 years, . . . . .	3	2	5
2 to 5 years, . . . . .	3	—	3
5 to 10 years, . . . . .	—	1	1
10 to 20 years, . . . . .	—	—	—
Over 20 years, . . . . .	—	—	—
Totals, . . . . .	16	14	30
Unknown, . . . . .	—	1	1
Not insane, . . . . .	—	—	—
Totals, . . . . .	16	15	31
Average known duration (in years), .	1.47	1.23	1.35





## 11. — Discharges of the Insane classified by Admission and Result, and Deaths.

NUMBER OF THE ADMISSION.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			DIED.			NOT INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, .	—	3	3	—	—	—	2	5	7	7	14	21	24	61	85	—	—	—	33	83	116
Second to this hospital,	—	—	—	—	—	—	—	1	1	—	—	—	2	4	6	—	—	—	2	5	7
Third to this hospital, .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total cases, .	—	3	3	—	—	—	2	6	8	7	14	21	26	65	91	—	—	—	35	88	123
Total persons, .	—	3	3	—	—	—	2	6	8	7	14	21	26	65	91	—	—	—	35	88	123
First admitted to any hospital.	—	3	3	—	—	—	1	—	1	6	6	12	23	58	81	—	—	—	30	67	97



## 12. — Causes of Death, and Form of Mental Disease in Persons who died.

CAUSES.	AGGREGATES.			DEMENTIA, ORGANIC.			DEMENTIA, PRÆCOX.			DEMENTIA, SENILE.			ALCOHOLIC INSANITY, CHRONIC.			EPILEPTIC INSANITY.			GENERAL PARALYSIS.			IMBECILITY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<i>Diseases of the Nervous System.</i>																								
Cerebral hemorrhage, . . .	1	1	2	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	10	1	11	-	-
General paralysis, . . .	10	1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Circulatory System.</i>																								
Aortic insufficiency, . . .	1	-	1	-	-	-	1	7	8	-	5	4	-	-	-	-	-	-	-	-	-	-	-	-
Arteriosclerosis, . . .	5	11	16	-	-	-	1	7	8	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Mitral insufficiency, . . .	1	-	1	-	-	-	1	9	10	-	1	2	1	-	1	-	1	1	-	-	-	-	1	1
Myocardial disease, . . .	3	13	16	1	-	1	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-
<i>Diseases of the Respiratory System.</i>																								
Pneumonia, lobar, . . .	-	19	19	-	-	-	3	9	12	-	-	3	-	1	1	-	1	1	-	-	-	-	-	-
Tuberculosis of the lungs, . . .	3	17	20	-	2	2	-	-	-	1	1	2	-	1	1	-	-	-	-	-	-	-	-	-
<i>Diseases of the Digestive System.</i>																								
Acute enteritis, . . .	-	2	2	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
<i>Diseases of the Genito-urinary System.</i>																								
Carcinoma of the uterus, . . .	-	1	1	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Chronic nephritis, . . .	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals, . . .	26	65	91	1	2	3	6	37	43	8	11	19	1	4	5	-	2	2	10	1	11	-	8	8

## 13. — Duration of Mental Disease and its Treatment in Patients who recovered or died.

PERIOD.	FIRST ADMISSION TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.						
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION OF ATTACK.			WHOLE KNOWN PERIOD OF DISEASE.			
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	
A. — Recovered.													
Under 1 month, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	
From 1 to 3 months, . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	
3 to 6 months, . . . . .	—	—	—	—	2	2	—	—	—	—	—	—	
6 to 12 months, . . . . .	—	1	1	—	—	—	—	2	2	—	—	—	
1 to 2 years, . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	
2 to 5 years, . . . . .	—	—	—	—	1	1	—	1	1	—	—	—	
5 to 10 years, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	
10 to 20 years, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	
Over 20 years, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	
Totals, . . . . .	—	3	3	—	3	3	—	3	3	—	—	—	
Unknown, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	
Totals, . . . . .	—	3	3	—	3	3	—	3	3	—	—	—	
Average of known cases (in months), . . . . .	—	9	9	—	12	12	—	21	21	—	—	—	



TABLE OF DISEASES AMONG THE INSANE. *Medical.*

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirm.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.	
GENERAL DISEASES.								
Goiter, . . . . .	2	-	2	-	-	-	-	2
Rheumatism, acute articular, . . . . .	4	1	3	4	-	-	-	-
Rheumatism, chronic articular, . . . . .	17	7	10	-	2	-	-	15
Syphilis, tertiary, . . . . .	1	-	1	-	-	-	-	1
DISEASES OF NERVOUS SYSTEM.								
Chorea, . . . . .	2	-	2	-	-	1	-	1
Epilepsy, . . . . .	37	16	21	-	-	4	-	33
General paralysis, . . . . .	24	23	1	-	-	2	11	11
Infantile cerebral paralysis, . . . . .	3	1	2	-	-	-	-	3
Neuritis, . . . . .	2	2	-	2	-	-	-	-
DISEASES OF CIRCULATORY SYSTEM.								
Aortic regurgitation, . . . . .	2	2	-	-	-	1	1	-
Arteriosclerosis, . . . . .	137	39	98	-	-	26	16	95
Endocarditis, chronic, . . . . .	17	-	17	-	-	1	-	16
Hemorrhage, cerebral, . . . . .	5	1	4	-	1	2	2	-
Mitral regurgitation, . . . . .	9	3	6	-	-	1	1	7
Mitral stenosis, . . . . .	2	-	2	-	-	-	-	2
Myocardial disease, . . . . .	32	4	28	-	-	5	17	10
DISEASES OF RESPIRATORY SYSTEM.								
Asthma, bronchial, . . . . .	2	-	2	-	-	2	-	-
Bronchitis, acute, . . . . .	13	3	10	13	-	-	-	-
Bronchitis, chronic, . . . . .	21	7	14	-	3	1	-	17
Phthisis, . . . . .	49	11	38	-	-	-	19	30
Pneumonia, lobar, . . . . .	27	2	25	8	-	-	19	-
Pharyngitis, acute, . . . . .	16	5	11	16	-	-	-	-
Tonsillitis, acute, . . . . .	11	-	11	11	-	-	-	-
Diphtheria, . . . . .	2	-	2	2	-	-	-	-
Laryngitis, . . . . .	3	3	-	2	1	-	-	-
DISEASES OF DIGESTIVE SYSTEM.								
Constipation, chronic, . . . . .	22	11	11	-	22	-	-	-
Enteritis, acute, . . . . .	20	-	20	13	-	5	2	-
Enteritis, chronic, . . . . .	4	3	1	-	-	2	-	2
Gastritis, acute, . . . . .	2	2	-	2	-	-	-	-
DISEASES OF GENITO-URINARY SYSTEM.								
Cystitis, chronic, . . . . .	3	3	-	-	-	2	-	1
Nephritis, chronic, . . . . .	22	18	4	-	-	3	-	19
Vaginitis, chronic, . . . . .	5	-	5	-	4	-	-	1
DISEASES OF THE SKIN.								
Acne, . . . . .	12	5	7	1	11	-	-	-
Eczema, acute, . . . . .	1	-	1	1	-	-	-	-
Eczema, chronic, . . . . .	2	-	2	-	2	-	-	-
Furunculosis, . . . . .	6	6	-	4	2	-	-	-
Herpes zoster, . . . . .	1	1	-	1	-	-	-	-
Herpes progenitalis, . . . . .	1	1	-	1	-	-	-	-
Scabies, . . . . .	4	4	-	4	-	-	-	-
MEDICAL, UNCLASSIFIED.								
Pregnancy, . . . . .	21	-	21	17	-	3	-	1
Total medical, . . . . .	566	184	382	102	48	61	88	267

TABLE OF DISEASES AMONG THE INSANE. *Surgical.*

DISEASES.	PATIENTS.			DISCHARGED.				Still in Infirmary.	Operations.
	Totals.	Males.	Females.	Well.	Relieved.	Not relieved.	Died.		
<b>DISEASES OF DIGESTIVE SYSTEM.</b>									
Abdominal adhesions, . . . . .	1	-	1	-	-	-	-	1	-
Hemorrhoids, . . . . .	6	5	1	-	5	-	-	1	-
Hernia, . . . . .	8	7	1	-	-	1	-	7	-
<b>DISEASES OF THE ABSORBENT SYSTEM.</b>									
Cellulitis, leg, . . . . .	1	1	-	-	-	-	-	1	-
<b>DISEASES OF THE MALE AND FEMALE URI- NARY ORGANS.</b>									
Cancer, uterus, . . . . .	1	-	1	-	-	-	1	-	-
Prostate, hypertrophied, . . . . .	3	3	-	-	-	-	-	3	-
Stricture, urethra, . . . . .	1	1	-	-	1	-	-	-	-
<b>DISEASES OF THE EYE AND EAR.</b>									
Cataract, . . . . .	10	3	7	-	-	6	-	4	-
Conjunctivitis, acute, . . . . .	2	2	2	2	-	-	-	-	-
Conjunctivitis, chronic, . . . . .	4	3	1	-	-	-	-	4	-
Ectropion, . . . . .	2	2	-	-	-	-	-	2	-
Entropion, . . . . .	1	-	1	-	1	-	-	-	-
Hordeolum, . . . . .	2	1	1	2	-	-	-	-	-
Otitis media, acute, . . . . .	3	-	3	3	-	-	-	-	-
Otitis media, chronic, . . . . .	3	3	-	-	-	1	-	2	-
<b>DISEASES OF THE HEAD, NECK AND FACE.</b>									
Abscess, alveolar, . . . . .	6	6	-	6	-	-	-	-	2
Abscess, face, . . . . .	2	2	-	2	-	-	-	-	1
Abscess, neck, . . . . .	2	1	1	1	-	-	-	1	-
Abscess, scalp, . . . . .	1	1	-	1	-	-	-	-	-
Abrasions, . . . . .	9	4	5	9	-	-	-	-	-
Epithelioma, nose, . . . . .	1	-	1	-	-	1	-	-	-
Furuncle, neck, . . . . .	1	-	1	1	-	-	-	-	1
Hematoma of ear, . . . . .	1	1	-	-	1	-	-	-	-
Incised wounds, . . . . .	15	2	13	15	-	-	-	-	13
Lacerated wounds, scalp, . . . . .	15	-	15	15	-	-	-	-	15
<b>DISEASES AND INJURIES OF TRUNK AND EXTREMITIES.</b>									
Abrasion, leg, . . . . .	2	1	1	2	-	-	-	-	-
Abrasion, arm, . . . . .	2	-	2	2	-	-	-	-	-
Abrasion, hand, . . . . .	3	-	3	3	-	-	-	-	-
Burns, . . . . .	1	1	-	1	-	-	-	-	-
Contusions, . . . . .	9	6	3	9	-	-	-	-	-
Fracture, Collar, . . . . .	1	-	1	1	-	-	-	1	-
Fracture, femur, . . . . .	1	-	1	1	-	-	-	-	-
Fracture, humerus, . . . . .	1	-	1	1	-	-	-	-	-
Fracture, ribs, . . . . .	2	2	-	2	-	-	-	-	-
Fracture, femur, old, . . . . .	1	-	1	-	1	-	-	-	-
Fracture, clavicle, . . . . .	1	-	1	1	-	-	-	-	-
Incised wound, hand, . . . . .	1	-	1	1	-	-	-	-	1
Incised wound, arm, . . . . .	1	-	1	1	-	-	-	-	6
Paronychia, . . . . .	7	2	5	7	-	-	-	2	-
Pes planus, . . . . .	3	2	1	3	-	1	-	-	4
Removal, foreign body, . . . . .	4	-	4	4	-	-	-	-	2
Septic finger, . . . . .	3	1	2	3	-	-	-	-	1
Septic elbow, . . . . .	1	-	1	1	-	-	-	-	1
Sprain, knee, . . . . .	1	-	1	-	-	-	-	1	-
Ulcer, leg, chronic, . . . . .	6	2	4	1	3	-	-	2	-
Totals surgical, . . . . .	152	64	88	97	13	9	1	32	46
Totals medical, . . . . .	566	184	382	102	48	61	88	267	-
Totals medical and surgical, . . . . .	718	248	470	199	61	70	89	299	46

## DENTAL STATISTICS.

Number of patients having work, . . . . .	575
Number of visits to dental room, . . . . .	1,856
Number of cases of cleaning, . . . . .	178
Number of cement fillings inserted, . . . . .	113
Silicate cement fillings, . . . . .	63
Amalgam fillings, . . . . .	259
Other fillings, viz., gold and inlays, . . . . .	3
Temporary sealings inserted, . . . . .	75
Pulps capped, . . . . .	48
Pulps devitalized, . . . . .	11
Pulps removed, . . . . .	8
Roots filled, . . . . .	34
Pyorrhoea alveolaris treatments, . . . . .	77
Abscess treated, . . . . .	57
Fractured jaw treatments, . . . . .	97
Stomatitis, . . . . .	127
Other treatments, . . . . .	763
Teeth extracted, . . . . .	493
Crowns, . . . . .	4
Plates made, . . . . .	20
Plates repaired, . . . . .	14

## REPORT FROM LABORATORIES.

*Clinical.*

Urines, . . . . .	6,909
Containing albumen, . . . . .	772
Containing sugar, . . . . .	57
Blood:—	
White counts, . . . . .	204
Red counts, . . . . .	78
Hemoglobin estimates, . . . . .	60
Stools, . . . . .	26
Gastric contents, . . . . .	16

*Biological.*

Cultures:—	
Throat, . . . . .	545
Positive K. L., . . . . .	239
Urine, . . . . .	10
Widal reaction, . . . . .	14
Positive, . . . . .	4
Smears:—	
Gonococcus, . . . . .	987
Positive, . . . . .	457
Miscellaneous, . . . . .	15



## Sputum examination: —

For tubercle bacilli, . . . . .	1,503
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Positive, . . . . .	356
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For pneumococcus, . . . . .	22
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Autogenous vaccines prepared, . . . . .	85
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## Complement fixation tests: —

Wassermann (syphilis), . . . . .	1,410
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Positive, . . . . .	150
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Negative, . . . . .	1,099
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Doubtful, . . . . .	261
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*Pathological.*

Surgical specimens, . . . . .	150
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Post-mortem examinations, . . . . .	12
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*Chemical.*

Special urine analysis, . . . . .	30
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Determination of sugar in urine, . . . . .	7
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Special examination of stools, . . . . .	4
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Analysis of cocoa, . . . . .	1
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Analysis of milk, . . . . .	2
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Analysis of human milk, . . . . .	2
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Analysis of water, . . . . .	1
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Analysis of soil, . . . . .	2
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Miscellaneous preparations and analyses, . . . . .	14
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## EDUCATIONAL DEPARTMENT.

PUBLIC SCHOOL INSTRUCTION.								
			PUPILS.	Number.	Grades.	Location.	Session.	
SPECIAL CLASSES.	THE COMMON BRANCHES.	Older boys, . . . .		18	3-9	Schoolhouse, . . .	8-11 A.M.	
		Older girls, . . . .		16	1-7	Women's house, . .	8-11 A.M.	
		Older girls, . . . .		10	2-4	Schoolhouse, . . .	1-4 P.M.	
		Younger girls and boys, . .		14	1-2	Children's hospital, .	8.30-11 A.M.	
		Younger boys, . . . .		15	1-2	Women's house, . .	1-2.30 P.M.	
		Younger girls, . . . .		6	1	Women's house, . .	2.30-4 P.M.	
		Tubercular boys, . . . .		5	1-4	Bancroft, . . . .	8.30-10 A.M.	
		Tubercular girls, . . . .		11	1-4	Fiske, . . . .	8-10 A.M.	
	KINDER-GARTEN.	Older children, . . . .		42	-	Children's hospital, .	8.30-11 A.M.	
		Younger children, . . . .		35	-	Children's hospital, .	1-3.30 P.M.	
	PRACTICAL ARTS.	DOMESTIC MANUAL SCIENCE, TRAINING	Older boys, . . . .		15	3-9	Boys' shop, . . . .	12.30-2.30 P.M.
			Tubercular boys, . . . .		5	1-4	Boys' shop, . . . .	2.45-4 P.M.
		DOMESTIC SCIENCE, TRAINING	Older girls, . . . .		10	4-9	Women's special, . .	8 A.M.-5 P.M.
			Younger girls, . . . .		10	1-2	Children's hospital, .	1.30-4 P.M.
	FINE ARTS.	SINGING.	Older girls, . . . .		25	-	Chapel, . . . .	7-8 P.M.
			Younger girls, . . . .		10	-	Chapel, . . . .	12.30-1 P.M.
			Boys, . . . .		20	-	Chapel, . . . .	1-1.30 P.M.
		PIANO	Older girls, . . . .		5	-	Chapel, . . . .	3-4 P.M.
			DRA-MATICS.	Older girls, . . . .		15	-	Women's house, . .
		Boys, . . . .		25	-	Boys' ward, . . . .	-	
PHYSICAL CULTURE.	Old women, . . . .		35	-	Women's house, . .	8.30-9.30 A.M.		
	Insane women (turbulent),		15	-	Asylum No. 5, . .	10.15-11.15 A.M.		
	Insane women, . . . .		20	-	Asylum No. 3, . .	1-2 P.M.		
	Insane women (inert), . .		35	-	Asylum No. 3, . .	2-3 P.M.		
	Insane women (turbulent),		15	-	Asylum No. 5, . .	3-4.30 P.M.		
	School children, . . . .		60	-	Chapel, . . . .	Alternate Monday afternoons.		
	Insane women, . . . .		40	-	Asylum No. 6, . .	Alternate Monday afternoons.		
	Sewing and handicraft for insane women.		15	-	Asylum No. 8, . .	8 A.M.-4 P.M.		
	English for foreign women, . . .		10	-	Chapel, . . . .	Once a week.		
	Reading for the blind, . . . .		10	-	Chapel, . . . .	Once a month.		

*School Enrollment, Fall of 1916.*

SCHOOL.	Boys.	Girls.	Total.
High school, . . . . .	1	—	1
Common school, . . . . .	38	57	95
Kindergarten, . . . . .	39	29	68
Continuation classes, . . . . .	—	56	56
Total, . . . . .	78	142	220

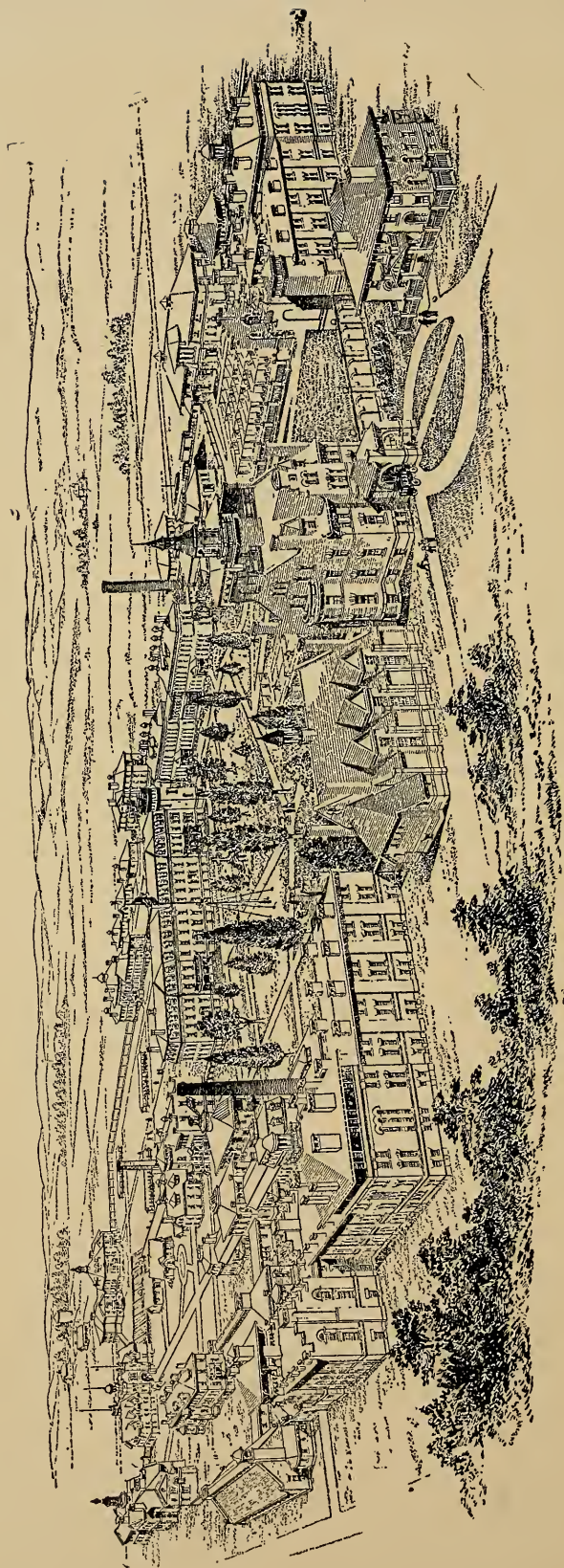
*Special Classes.*

For the blind, . . . . .	10
For foreign speaking, . . . . .	10
For old women, . . . . .	35
For the insane, . . . . .	80
Total, . . . . .	135

Grand total, 355.







STATE INFIRMARY, TEWKSBURY

GENERAL VIEW FROM NORTH EAST